

TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF.
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/124,905
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/383,916
FILING DATE:
APPLICATION NUMBER: US 08/487,550
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1437 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1437
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..1437

US-10-124-905-7

Query Match 78.1%; Score 1117.2; DB 9; Length 1437;
Best Local Similarity 88.1%; Pred. No. 9e-296;
Matches 1254; Conservative 0; Mismatches 150; Indels 12; Gaps 3;

Qy	17	TCCTCTCTCTCTGTGGAGCTCCAGATGGGTCTCTCCAGGTGAAGCTGCAGCAGT	76
Db	17	TCCTCTCTCTCTGTCTGTGTGTCTACGGGTGTCCAGTGTGAGTGTGCACTGGTGGAGT	76
Qy	77	GGGGCGAAGGACTTCGAGCCTTCGGAGACCTGTCCGACCTGCGTGTGTCTGTGTG	136
Db	77	CTGGGGAGGCTGTGTCAGCCTTCGGGTCTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGT	136
Qy	137	GCTCCATCAGCGGTGTACTACTGGAACCTGGATCCGCGCAGACCCAGCGGAGGAGGAGCTGG	196
Db	137	TCACCTTCA---GTGACCACTACATGTATTGTTCCGCGCAGGCTCCAGGAGGAGGCGG	193
Qy	197	AGTGGATTGGCCATATT-----TATGGTAATGTTGGCAGCACCACTACCAATCCCTCCC	250
Db	194	AATGGGTAGGTTTCATTAGAAACAAACCGAAGCGGTGGGACAAAGATACCGCGGTCTG	253
Qy	251	TCAAGAGTCGAGTCAACCATTTCAAAGACAGCTCCAGAACAGTTCCTCTGAACTTGA	310
Db	254	TGAAGACAGATTCAACCATCTCCAGATGATNTCAAAGATATCGCCTATCTGCAAAATGA	313
Qy	311	ATTCTGTGACCGACCGGACACGGCGGTCTATTACTGTGCGAGA---GGCCCTCGCCCTG	367

Db	314	GCAGCTGAAAATTCGAGGACACGGCCGTCTATTACTGTACTATCTACATCTCATTTCACATT	373
Qy	368	ATTGCACAACCAATTGTTATGGGGGTGGGTGCATGTCTGGGGCCGGGAGAGACTGGTCA	427
Db	374	GTGGGGTGGTGTCTGCTATGAGAGTTACTTCGAATTTCTGGGGCCAGGGCCCTGTGTCA	433
Qy	428	CGCTCTCTCTCTAGTACCAAGGGCCCATCGGTCTTTCCCTCTGGGACCTCTCTCCAGA	487
Db	434	CGCTCTCTCTCTAGTACCAAGGGCCCATCGGTCTTTCCCTCTGGGACCTCTCTCCAGA	493
Qy	488	GCACCTCTGGGGGCACAGGGCCCTGGGCTGCTGGTCAAGGACTACTTCCCGAACCGG	547
Db	494	GCACCTCTGGGGGCACAGGGCCCTGGGCTGCTGGTCAAGGACTACTTCCCGAACCGG	553
Qy	548	TGACGTGTCTGTGAACTCAGGCGCCCTGACAGCGCGGTGCACACCTTCCCGGTCTCC	607
Db	554	TGACGTGTCTGTGAACTCAGGCGCCCTGACAGCGCGGTGCACACCTTCCCGGTCTCC	613
Qy	608	TACAGTCTCTCAGGACTTACTCTCTCAGCAGCGGTGGTACCGTCCCTCCAGCAGCTTG	667
Db	614	TACAGTCTCTCAGGACTTACTCTCTCAGCAGCGGTGGTACCGTCCCTCCAGCAGCTTG	673
Qy	668	GCACCCAGACCTACATCTGCAACGTGAATCAACAAGCCAGCAACCAAGGTGGACAAGA	727
Db	674	GCACCCAGACCTACATCTGCAACGTGAATCAACAAGCCAGCAACCAAGGTGGACAAGA	733
Qy	728	AAGCAGAGCCCAATCTTGTGACAAATCAACATGCCACCGTCCCGGACCTGTAAC	787
Db	734	AAGCAGAGCCCAATCTTGTGACAAATCAACATGCCACCGTCCCGGACCTGTAAC	793
Qy	788	TCCTGGGGGACCGTCAGTCTTCTTCCCGCCCAAAACCAAGGACACCTCTATGATCT	847
Db	794	TCCTGGGGGACCGTCAGTCTTCTTCCCGCCCAAAACCAAGGACACCTCTATGATCT	853
Qy	848	CCCGAACCTCTCAGGTCAATCGTGGTGGAGTGTGAGCAACGAGACCTCTAGGTCA	907
Db	854	CCCGAACCTCTCAGGTCAATCGTGGTGGAGTGTGAGCAACGAGACCTCTAGGTCA	913
Qy	908	AGTTCAACTGGTACGTGGACGGGTGGAGGTGCATTAATGCCAAGACAAAGCGCGGAGG	967
Db	914	AGTTCAACTGGTACGTGGACGGGTGGAGGTGCATTAATGCCAAGACAAAGCGCGGAGG	973
Qy	968	AGCAGTACAACAGCACGTACCGTGTGGTGTGAGGTCTCTACCGTCTCTGACAGGACTGGC	1027
Db	974	AGCAGTACAACAGCACGTACCGTGTGGTGTGAGGTCTCTACCGTCTCTGACAGGACTGGC	1033
Qy	1028	TGAATGGCAAGAGTACAAGTGAAGGTCTCAACAAAGCCCTCCAGCCCTCCATCGAGA	1087
Db	1034	TGAATGGCAAGAGTACAAGTGAAGGTCTCAACAAAGCCCTCCAGCCCTCCATCGAGA	1093
Qy	1088	AAACCATCTCCAAAGCCAAAGGGCAGCCCGAGAACCAAGGTGTACACCTTGCCCCCAT	1147
Db	1094	AAACCATCTCCAAAGCCAAAGGGCAGCCCGAGAACCAAGGTGTACACCTTGCCCCCAT	1153
Qy	1148	CCCGGATGAGTCAACCAAGAACAGGTGAGCTGACCTGCTGCTGCTCAAGGCTTCTATC	1207
Db	1154	CCCGGATGAGTCAACCAAGAACAGGTGAGCTGACCTGCTGCTGCTCAAGGCTTCTATC	1213
Qy	1208	CCAGGACATCGCGTGGAGTGGAGAGCAATGGGACCGCGAGAACAACTACAAGACCA	1267
Db	1214	CCAGGACATCGCGTGGAGTGGAGAGCAATGGGACCGCGAGAACAACTACAAGACCA	1273
Qy	1268	CGCTCTCCGTGCTGAGCTCCGACGGCTCTTCTCTCTACAGCAAGCTCAACCTGGGACA	1327
Db	1274	CGCTCTCCGTGCTGAGCTCCGACGGCTCTTCTCTCTACAGCAAGCTCAACCTGGGACA	1333
Qy	1328	AGACAGGTGGACACAGGGGAACTCTTCTCATGCTCGGTGATGATGAGGCTCTGCACA	1387
Db	1334	AGACAGGTGGACACAGGGGAACTCTTCTCATGCTCGGTGATGATGAGGCTCTGCACA	1393
Qy	1388	ACCACTACACGACAGAGGCTCTCCCTGTCTCCGGGTAATGA	1431
Db	1394	ACCACTACACGACAGAGGCTCTCCCTGTCTCCGGGTAATGA	1437

Db 1154 CCCGGATGAGTGCACCAAGAACAGGTGACCTGACCTGCTGGTCAAAGGCTTCTATC 1213
QY 1208 CCAGGACATCCCGTGGAGTGGGAGCAATGGGAGCGGAGAACAACTCAAGACCA 1267
Db 1214 CCAGGACATCCCGTGGAGTGGGAGCAATGGGAGCGGAGAACAACTCAAGACCA 1273
QY 1268 CGCTCCCGTGTGACTCCGAGCGGTCTCTTCTCTACAGCAAGCTCACCGTGGACA 1327
Db 1274 CGCTCCCGTGTGACTCCGAGCGGTCTCTTCTCTACAGCAAGCTCACCGTGGACA 1333
QY 1328 AGAGAGTGGAGCAGGAGGAGCTTCTCTATGCTCCGCTGATGATGAGGCTCTGACA 1387
Db 1334 AGAGAGTGGAGCAGGAGGAGCTTCTCTATGCTCCGCTGATGATGAGGCTCTGACA 1393
QY 1388 ACCACTACAGCAGAGAGCCTCTCCCTGCTCCGGGTAATGA 1431
Db 1394 ACCACTACAGAGAGACCTCTCCCTGTCTCCGGGTAATGA 1437

RESULT 11

US-09-925-299-230
; Sequence 230, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 230
; LENGTH: 1798
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)
; NAME/KEY: misc_feature
; LOCATION: (15)
; OTHER INFORMATION: n equals a,t,g, or c
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (24)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (31)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (501)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (1798)
; OTHER INFORMATION: n equals a,t,g, or c

US-09-925-299-230

Query Match 77.8%; Score 1113.4; DB 9; Length 1798;
Best Local Similarity 87.6%; Pred. No. 1e-294;
Matches 1232; Conservative 8; Mismatches 155; Indels 11; Gaps 2;

QY 26 TCCTGGTGGCAGCTCCAGATGGTCTCTCCAGGTGAAGTGCAGAGTGGGGGAAG 85
Db 173 TCCTGGTGGTCTTTAAGAGGTGTCAGTGCAGTGCAGTGGGAGTCTGGGGGAG 232
QY 86 GACTTCTGAGCCTTCGGAGACCTGTCTCCGACCTGCTGTGTCTGTGGTCCATCA 145
Db 233 GGTGGTCCAGCCTGGAGGTCCCTGAGACTCTCTGTGTCAGCSTCTGGATTACCTTC 292
QY 146 GGGTTACTACTTGGACCTGGATCCGCCAGACCCAGAGGGGAGCTGGAGTGATTG 205

Db 293 ---GTAGCTATGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGTGGAGTGGGTGG 349
QY 206 GCATATTTATGTAATGGTGGGAGCACTCACTCAATCCCTCCTCAAGAGTCCAGTCA 265
Db 350 CAGTTATTTATGTAATGGGAGTAAATAATATGACAGACTCGTGAAGGCCGATTC 409
QY 266 CCAATTTCAAAGACACGCTCCAAAGAACAGTTCTTCTGAACTTGAATTTCTGTGACCGAG 325
Db 410 CCAATCTCAAGAGACAAATCCAAAGAACAGCTGTATCTGCAATGAAACAGCCTGAGAGCTG 469
QY 326 CGGACACGGCCGTCTATTACTGTGCGAGAGCCCTCGCCCTGATTTGCAACCAATTTGTT 385
Db 470 AGGACACGGCTGTATTAATGTCGAGAGANGTTACTATGTTTCGGAAAGCATCTACTA 529
QY 386 ATGGCGCTGGTGCATGTCTGGGGCCCGGAGAGACTGCTCAGCTCTCTCAGTAGCA 445
Db 530 CTA-----CTTTGACTCTGGGGCCAGGGAACMCTGGTCAACGCTCTCTCAGCCTCA 581
QY 446 CCAAGGCCCATCGGTCTTCCCTCGCACCTCTCTCAAGAGACACTCTGGGGGCACAG 505
Db 582 CCAAGGCCCATCGGTCTTCCCTCGCACCTCTCTCAAGAGACACTCTGGGGGCACAG 641
QY 506 CGGCCCTGGCTGCTCGTCAAGGACTACTTCCCGAACCGGTGACGGTGTGCTGGAAT 565
Db 642 CGGCCCTGGCTGCTCGTCAAGGACTACTTCCCGAACCGGTGACGGTGTGCTGGAAT 701
QY 566 CAGCGCTGACGAGCGGTGCACACTTCCCGGTGTCTACAGTCTCTCAGAGACTCT 525
Db 702 CAGCGCTGACGAGCGGTGCACACTTCCCGGTGTCTACAGTCTCTCAGAGACTCT 761
QY 626 ACTCCCTCAGCAGCGTGTGACCTGCTCCAGCAGCTTGGGCACCCAGAGCTACATCT 685
Db 762 ACTCCCTCAGCAGCGTGTGACCTGCTCCAGCAGCTTGGGCACCCAGAGCTACATCT 821
QY 686 GCAAAGTGAATCAAGCCAGCAACCAAGGTGGACAAGAAAGCAGAGGCCAAATCTT 745
Db 822 GCAAAGTGAATCAAGCCAGCAACCAAGGTGGACAAGARAGTTGAGCCAAATCTT 881
QY 746 GTGACAAAACCTACACATGCCACCTGCTCCAGCAGCTTCTGGGGGAGCGTCA 805
Db 882 GTGACAAAACCTACACATGCCACCTGCTCCAGCAGCTTCTGGGGGAGCGTCA 941
QY 806 TCTTCTCTTCCCCCAAAACCCAAAGGACACCTCATGATCTCCGGACCCCTGAGGTCA 865
Db 942 TCTTCTCTTCCCCCAAAACCCAAAGGACACCTCATGATCTCCGGACCCCTGAGGTCA 1001
QY 866 CATGCGTGGTGGAGCGTGAAGCAACGAAAGACCTGAGGTCAAGTTCAACTGGTACGTGG 925
Db 1002 CATGCGTGGTGGAGCGTGAAGCAACGAAAGACCTGAGGTCAAGTTCAACTGGTACGTGG 1061
QY 926 ACGCGTGGAGGTGCATAAATGCCAAGAACAAAGCCGCGGAGGAGCAGTACACAGCAGT 985
Db 1062 ACGCGTGGAGGTGCATAAATGCCAAGAACAAAGCCGCGGAGGAGCAGTACACAGCAGT 1121
QY 986 ACGGTGGTGGTGCATCTCAACCGTCTGACACAGGACTGCTGAAATGGCAAGGAGTACA 1045
Db 1122 ACGGTGGTGGTGCATCTCAACCGTCTGACACAGGACTGCTGAAATGGCAAGGAGTACA 1181
QY 1046 AGTGCAAGGTCTCAACAAAGCCCTCCAGGCCCTCGAGAAACCAATCTCTCAAGGCA 1105
Db 1182 AGTGCAAGGTCTCAACAAAGCCCTCCAGGCCCTCGAGAAACCAATCTCTCAAGGCA 1241
QY 1106 AAGGGACGCCCCGAGAACCAAGGTGTACACCTGCCCCCATCCGGGATGAGCTGAGCA 1165
Db 1242 AAGGGACGCCCCGAGAACCAAGGTGTACACCTGCCCCCATCCGGGAKGAGMTGAGCA 1301
QY 1166 AGAACAGAGTCAAGCTGACCTGCTGCTCAAGAGCTTCTATCCAGCAGACATCGCCGTGG 1225
Db 1302 AGAACAGAGTCAAGCTGACCTGCTGCTCAAGAGCTTCTATCCAGCAGACATCGCCGTGG 1361
QY 1226 AGTGGGAGCAATGGGACGCGGAGAACCAATCAAGACCAACGCTCCGCTGCTGGACT 1285

Db 1362 AGTGGAGAGCAATGGGAGCCGCGAGAACAACTACAAGACACACGCCCTCCCGTGTGGACT 1421
Qy 1286 CCGACGGCTCTCTTCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGG 1345
Db 1422 CCGACGGCTCTCTTCTCTAYAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGG 1481
Qy 1346 GGAACGCTTCTCTATGCTCCGCTGATGATGAGGCTCTGCAACCACTACACGAGAAGA 1405
Db 1482 GGAACGCTTCTCTATGCTCCGCTGATGATGAGGCTCTGCAACCACTACACGAGAAGA 1541
Qy 1406 GCCTCTCCCTGTCTCCGGGTAAATGA 1431
Db 1542 GCCTCTCCCTGTCTCCGGGTAAATGA 1567
RESULT 12
US-09-925-299-230
; Sequence 230, Application US/09925299
; Patent No. US2002005627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 230
; LENGTH: 1798
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (15)_feature
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (24)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (501)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (1798)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-299-230
Query Match 77.8%; Score 1113.4; DB 10; Length 1798;
Best Local Similarity 87.6%; Pred. No. 1e-294;
Matches 1232; Conservative 8; Mismatches 155; Indels 11; Gaps 2;
Qy 26 TCCTGTGGCAGCTCCAGATGGGTCTCTGCCAGGTGAAGCTGCAGCAGTGGGGCGAAG 85
Db 173 TCCTCGTTGCTCTTTAAGAGGTGTCCAGTGTCAAGTGCAGTGTGGAGTCTGGGGAG 232
Qy 86 GACTTTCGACGCTTCGAGACCTCTCCCGACCTCGGTGTCTCTGGTGGCTCCATCA 145
Db 233 GCGTGTCCAGCCTCGGAGGTCCCTGAGACTCTCTGTGCAGCSTCTGATTCACCTTCA 292
Qy 146 GCGGTACTACTCTGACCTGGATCCGCCAGACCCAGAGGGGACTGGAGTGGATTG 205
Db 293 ---GTAGCTATGGCATGACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGG 349
Qy 206 GCCATATTTATGGTAAATGGTGGCGACCACTCAACTCCCTCCCTCAAGAGTCAAGTCA 265

Db 350 CAGTTATATSRATGATGGAAGTAATAAATACTATATGCAGACTCCGTGAAGGCCGATTC 409
Qy 266 CATTTCAAAAGACACGCTTCAAGAACAGTTCCTTCTGAACTTGAATTCCTGTGACCGACG 325
Db 410 CCATCTCCAGAGACAAATCCAGAACACGCTGTATCTGCAATAAGACAGCTTGAGAGTG 469
Qy 326 CGGACACGGCCGCTCTATTACTGTGCGAGAGCCCTCCGCCCTGTGATGCAACAACATTTGTT 385
Db 470 AGGACACGGCTGTATTAATCTGTGCGARAGANGTTACTATGTTTCGGAAGCATCTACTA 529
Qy 386 ATGGCGGCTGGTGCATGTCTGGGGCCCGGAGACCTGGTCCAGCTCTCTCAGCTAGCA 445
Db 530 CTA-----CTTTGACTCTGGGGCCAGGGAAACMCTGGTCACCGTCTCTCAGCCTCCA 581
Qy 446 CCAAGGCCCATCGGTCTTCCCTGGCACCCCTCTCAAGAGCACCTCTCGGGGCGACAG 505
Db 582 CCAAGGCCCATCGGTCTTCCCTGGCACCCCTCTCAAGAGCACCTCTCGGGGCGACAG 641
Qy 506 CGGCCCTGGGCTGCTGCTCAAGACTACTTCCCGAACCGGTGACGGTGTCTGGAAC 565
Db 642 CGGCCCTGGGCTGCTGCTCAAGACTACTTCCCGAACCGGTGACGGTGTCTGGAAC 701
Qy 566 CAGCGCCCTGACACAGCGGGTGACACCTTCCCGGTGTCTTACAGTCTCTCAGACTCT 625
Db 702 CAGCGCCCTGACACAGCGGGTGACACCTTCCCGGTGTCTTACAGTCTCTCAGACTCT 761
Qy 626 ACTCCCTCAGCAGCGGTGTGACCGTCCCTCCAGCAGCTTGGGACCCAGACCTACATCT 685
Db 762 ACTCCCTCAGCAGCGGTGTGACCGTCCCTCCAGCAGCTTGGGACCCAGACCTACATCT 821
Qy 686 GCAAGCTGAATCAAGCCAGCAACACCAAGGTGGACAAGAAAGCAGAGCCCAATCTT 745
Db 822 GCAAGCTGAATCAAGCCAGCAACACCAAGGTGGACAAGAGTTCAGGCCCAATCTT 881
Qy 746 GTGACAAAATCAACATGCCACCGTGCACAGCACTGTGACCTCTGGGGGAGACGTCAG 805
Db 882 GTGACAAAATCAACATGCCACCGTGCACAGCACTGTGAACTCTGGGGGAGACGTCAG 941
Qy 806 TCTTCTCTTCCCCCAAAACCCAGACACCTCATGATCTCCGGACCCCTGAGTCA 865
Db 942 TCTTCTCTTCCCCCAAAACCCAGACACCTCATGATCTCCGGACCCCTGAGGTCA 1001
Qy 866 CATGCGTGGTGGAGCTGAGCCAGCACCAAGACCTTGAGGTCAAGTTCAACTGGTACGTGG 925
Db 1002 CATGCGTGGTGGAGCTGAGCCACGAAGACCTTGAGGTCAAGTTCAACTGGTACGTGG 1061
Qy 926 ACGCGTGGAGGTGCATAATGCCAAGACAAAGCCCGGGAGGAGCAGTACAAACAGCAGT 985
Db 1062 ACGCGTGGAGGTGCATAATGCCAAGACAAAGCCCGGGAGGAGCAGTACAAACAGCAGT 1121
Qy 986 ACCGTGTGGTCAAGCTCTCACCGTCTCTGACACAGGACTGGCTGAATGGGCAAGAGTACA 1045
Db 1122 ACCGTGTGGTCAAGCTCTCACCGTCTCTGACACAGGACTGGCTGAATGGGCAAGAGTACA 1181
Qy 1046 AGTSCAAGGTCTCCAACAAAGCCCTCCAGCCCTCATCGAAGAACCATCTCCAAAGCCA 1105
Db 1182 AGTSCAAGGTCTCCAACAAAGCCCTCCAGCCCTCATCGAAGAACCATCTCCAAAGCCA 1241
Qy 1106 AAGGGCAGCCCCGAGAACCCAGGTGTACACCTTCGCCCCCATCCCGGGATGAGCTGACCA 1165
Db 1242 AAGGGCAGCCCCGAGAACCCAGGTGTACACCTTCGCCCCCATCCCGGGAGAGTACCA 1301
Qy 1166 AGAACAGGTCAAGCTCAACCTGCTGTCAAGGCTTCTATCCAGCGACATCCGCGTGG 1225
Db 1302 AGAACAGGTCAAGCTCAACCTGCTGTCAAGGCTTCTATCCAGCGACATCCGCGTGG 1361
Qy 1226 AGTGGGAGAGCAATGGGACGCGGAGAACCACTACAAGACACACGCTCCCGTGTGGACT 1285
Db 1362 AGTGGGAGAGCAATGGGACGCGGAGAACCACTACAAGACACACGCTCCCGTGTGGACT 1421
Qy 1286 CCGACGGCTCTCTTCTCTTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGG 1345

; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand
; FILE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 789
; LENGTH: 1599
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-789

Query Match 77.0%; Score 1102; DB 10; Length 1599;
Best Local Similarity 86.9%; Pred. No. 1.3e-291;
Matches 1236; Conservative 0; Mismatches 180; Indels 6; Gaps 2;
Qy 13 TGGTTCTTCTCTCTGTTGGGAGCTCCAGATGGTCTCTCCAGGTGAAGTGGAG 72
Db 47 TGGAGGTCTCTTCTTGTGGGAGCAGCTACAGGTGCTCCAGTCCAGATGAGTGGT 106
Qy 73 CAGTGGGGGAGGAGCTCTCGAGCTTCGAGCCCTCGGAGACCTGTCCCGACCTCGGTGTCTCT 132
Db 107 CAGTCTGGGGTGAAGTAAAGAACCTGGGTCTCGGTGAGCGGTCTCTCGAAGGCATCT 166
Qy 133 GGTGGCTCCATCAGCGGTTACTACTTGGACCTGGATCCGCCAGACCCCGAGGGAGGGA 192
Db 167 GGAGGCACCTTCAGC--AACTATGCTATCAGTGGGTGCGACAGGCCCTGGACAGGG 223
Qy 193 CTGAGTGGATTGGCCATATTATGGTAATGGTGGCGACCACTCAATCCCTCCCTC 252
Db 224 CTTGAGTGGATGGGAGGATCATCCCTCTTTTGTACACCACTACTACAGAACTTC 283
Qy 253 AAGAGTCGAGTCACCAATTTCAAAGACAGCTCCAAAGAACAGTCTTCTGAACTGAT 312
Db 284 CAGGCGAGAGTCAGATTTACCGCGGCAAAATCCACAGACAGGCCACATGGAGCTGATC 343
Qy 313 TCTGTGACCGACGGGACACGGCGCTTATTACTGTGCGAGAG--GCCCTCGCCCTGAT 369
Db 344 AGCCTGAGATCTGAGGACACGGCCGTGTATTACTGTGCGACAGATCGTACAGGAGGCA 403
Qy 370 TGCACAAACCAATTTGTTATGGCGGTGGGTGATGTCTGGGGCCCGGGAGACCTGTGCACC 429
Db 404 AATTTTGACCGGGCCGGTGGTGGTGTGACCCCTGGGGCCAGGACCCCTGTGCACC 463
Qy 430 GTCTCTCAGTACAGCAAGGGGCCATCGGTCTTCCCGCTGGGACCCCTCTCCAAAGAGC 489
Db 464 GTCTCTCAGCCTCCCAAGAGGGGCCATCGGTCTTCCCGCTGGGACCCCTCTCCAAAGAGC 523
Qy 490 ACCTCTGGGGGACAGGGCCCTGGGTCTCGCTGTCAAGGACTACTTCCCGGACCGGTG 549
Db 524 ACCTCTGGGGGACAGGGCCCTGGGTCTCGCTGTCAAGGACTACTTCCCGGACCGGTG 583

Qy 550 ACGGTGTCTGTGAACCTCAGGCGCCCTGACCAGCGCGTGCAACCTTCCCGCTGTCTCTA 609
Db 584 ACGGTGTCTGTGAACCTCAGGCGCCCTGACCAGCGCGTGCAACCTTCCCGCTGTCTCTA 643
Qy 610 CAGTCTCTCAGGACTCTACTCTCCCTCAGCAGCGTGTGACCGTGCCTTCCAGCAGCTTGGGC 669
Db 644 CAGTCTCTCAGGACTCTACTCTCCCTCAGCAGCGTGTGACCGTGCCTTCCAGCAGCTTGGGC 703
Qy 670 ACCCAGACTACATCTGCAAGCTGATCAAGCCAGCCAGCAACACCAAGGTGACAAAGAA 729
Db 704 ACCCAGACTACATCTGCAAGCTGATCAAGCCAGCCAGCAACACCAAGGTGACAAAGAA 763
Qy 730 GCAGAGCCCAAAATCTTGTGACAAAACTCACACATGCCCAACCGTGCCAGCAGCTGAACCTC 789
Db 764 GTTGAGCCCAAAATCTTGTGACAAAACTCACACATGCCCAACCGTGCCAGCAGCTGAACCTC 823
Qy 790 CTGGGGGACCGTCTCAGTCTTCTTCTTCCCAAAACCAAGGACACCTCTATGATCTCC 849
Db 824 CTGGGGGACCGTCTCAGTCTTCTTCTTCCCAAAACCAAGGACACCTCTATGATCTCC 883
Qy 850 CGGACCCCTGAGGTACATGCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 909
Db 884 CGGACCCCTGAGGTACATGCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 943
Qy 910 TTCAACTGGTACGTGGACCGGTGGAGGTGCATATGCAAGACAAAGCCGCGGAGGAG 969
Db 944 TTCAACTGGTACGTGGACCGGTGGAGGTGCATATGCAAGACAAAGCCGCGGAGGAG 1003
Qy 970 CAGTACAAACAGCAGTACCGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 1029
Db 1004 CAGTACAAACAGCAGTACCGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 1063
Qy 1030 AATGGCAGGAGTACAAAGTCTTCCAAACAAAGCCCTCCAGCCGCCCATTCAGAGAA 1089
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RESULT 15
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; Sequence 1604, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using C
; FILE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617

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; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
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; PRIOR FILING DATE: 2000-09-26
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; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
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; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1604
; LENGTH: 1599
; TYPE: DNA
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US-09-954-456-1604

Query Match      77.0%; Score 1102; DB 10; Length 1599;
Best Local Similarity 86.9%; Pred. No. 1.3e-291;
Matches 1236; Conservative 0; Mismatches 180; Indels 6; Gaps 2;

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Job time : 148.88 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

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Title: US-09-758-173-1

Perfect score: 705

Sequence: 1 ATGAGGGTCCCGCTCAGCT.....CCCTACAGATGTTTCATGA 705

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438583890 residues

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	705	100.0	705	9	US-09-948-4298-1
3	705	100.0	705	9	US-10-073-138-1
4	540.2	76.6	711	9	US-10-124-905-9
5	540.2	76.6	711	9	US-09-948-4298-9
6	540.2	76.6	711	9	US-10-073-138-5
7	530	75.2	868	10	US-09-822-849A-157
8	512.8	72.7	960	10	US-09-925-301-582
9	501.6	71.1	830	9	US-09-981-353-42
10	488.6	69.3	846	9	US-09-981-353-55
11	487	69.1	1480	9	US-09-981-353-146
12	473.8	67.2	857	10	US-09-822-849A-158
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22	434	61.6	879	9	US-09-852-797-29	Sequence 29, Appl
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44	373.4	53.0	938	9	US-09-828-995B-25	Sequence 27, Appl
45	370.2	52.5	648	10	US-09-736-371B-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-10-124-905-1
; Sequence 1, Application US/10124905
; Patent No. US20020166136A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/124,905
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 705 base pairs


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; Sequence 1, Application US/10073138
; Publication No. US20020187146A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSON, Darrell R.
;           BRAMS, Nabil
;           HANNA, Peter
; TITLE OF INVENTION: IDENTIFICATION OF UNIQUE BINDING
;                     INTERACTIONS BETWEEN CERTAIN ANTIBODIES AND THE HUMAN B7.1
;                     AND B7.2 CO-STIMULATORY ANTIGENS
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NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESS: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/073,138
FILING DATE: 13-Feb-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/746,361
FILING DATE: 08-NOV-1996
APPLICATION NUMBER: US 08/487,550
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teekin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-256
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-2021
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 705 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
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NAME/KEY: CDS
LOCATION: 1..705
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US-10-073-138-1
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Best Local Similarity 100.0%; Pred. No. 1.2e-205;
Matches 705; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 4

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US-10-124-905-9
; Sequence 9, Application US/10124905
; Patent No. US20020166136A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
; TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
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; Patent No. US20020045170A1
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakr
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6403
; CURRENT APPLICATION NUMBER: US/09/822,849A
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/195,582
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 598
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 157
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 832..feature
; OTHER INFORMATION: n = a,c,t, or g
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Best Local Similarity 89.1%; Pred. No. 3.3e-152;
Matches 572; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

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QY 242 TCTCTGGCTCCAAATCAGGAAACCGCCACCTGACCATCAACGGGGTGCAGGCGGG 301
Db 266 TCTCTGGCTCCAAATCAGGAAACCGCCACCTGACCATCAACGGGGTGCAGGCGGG 325
QY 302 ATGAGGCTGACTATTACTGTCTGAGGTGGACAGGCTAGTATCATCCGCTCTTCGGAG 361
Db 326 ATGAGGCTGACTATTATTGTCACTTTGGTTTATCAACAGTCTGAGGCGGTTTTCGGCG 385
QY 362 GAGGACCCGGGTGACCGTCTTAGGTCAAGCCCAAGGCTGCCCGCTCGGTCACTGTGTTCC 421
Db 386 GAGGACCAAGCTGACCGTCTTAGGTCAAGCCCAAGGCTGCCCGCTCGGTCACTGTGTTCC 445

QY 422 CGCCCTCTCTGAGGAGCTTCAAGCCAAACAAAGCCACACACTGGTGTGTCTCATAGTGACT 481
Db 446 CGCCCTCTCTGAGGAGCTTCAAGCCAAACAAAGCCACACACTGGTGTGTCTCATAGTGACT 505
QY 482 TCTACCCGGGAGCGGTGACAGTGGCTGGAAAGCAGATAGCAGCCCCCGTCAAGGCGGGAG 541
Db 506 TCTACCCGGGAGCGGTGACAGTGGCTGGAAAGCAGATAGCAGCCCCCGTCAAGGCGGGAG 565
QY 542 TGGAGACCAACACACCTCCAAACAAAGCAACAAAGTACGGGGCCAGCAGCTTACCTGA 601
Db 566 TGGAGACCAACACACCTCCAAACAAAGCAACAAAGTACGGGGCCAGCAGCTTATCTGA 625
QY 602 GCCTGAGCCTGAGCAGTGGAAAGTCCCAAGAAAGCTACAGCTGCCAGGTCAAGCATGAAG 661
Db 626 GCCTGAGCCTGAGCAGTGGAAAGTCCCAAGAAAGCTACAGCTGCCAGGTCAAGCATGAAG 685
QY 662 GGAGCACCGTGGAGAAAGACAGTGGCCCTACAGAAATGTTTCAT 703
Db 686 GGAGCACCGTGGAGAAAGACAGTGGCCCTACAGAAATGTTTCAT 727

RESULT 8
US-09-925-301-582
; Sequence 582, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 582
; LENGTH: 960
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: [924]
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: [937]
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: [939]
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-301-582

Query Match 72.7%; Score 512.8; DB 10; Length 960;
Best Local Similarity 82.4%; Pred. No. 6e-147;
Matches 577; Conservative 8; Mismatches 115; Indels 0; Gaps 0;

QY 4 AGGTCCTCCGCTCAGCTCTCTGGGGCTCTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 63
Db 34 ATGGCTCTGGACCCCT 93
QY 64 TATGAATGACTCAGCCACCTCGGTGTCAAGTGTCTCCAGGACAGCGCCAGGATCAC 123
Db 94 TATGAGTTCACACAGCCACCTCGGTGTCAAGTGTCTCCAGGACAGCGCCAGGATCAC 153
QY 124 TGTGGGGAGACACAGTAGAATAATGTCTCACTGGTACCAGCAAGCCAGCGGG 183
Db 154 TGCTCTGGAGATGCMTTGCCAAMAAAATATCTTATTGGTACCAGCAAGTCAAGGCCAG 213
QY 184 GCCCTTACTACTGTTCATCTATGATGATGATGATGATGATGATGATGATGATGATGAT 243
Db 214 GCCCTGTGTGTGTCTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 273

QY 244 TCTGGCTCCAAATCAGGGAACACCGCCACCTGTACCATCAACAGGGGTCCAGGCGCGGGAT 303
DB 274 TCTGCTCCAGCTCAGGGAACAATGGCCACCTTGACTATCATAGTGGGCCCCAGGTGGAGGAT 333
QY 304 GAGGCTGACTATTAAGTGTAGGTGGGACAGGGCTAGTGATCATCCGGTCTTCGGAGGA 363
DB 334 GAAGCGGACTACTACTCTACTCAACAGACAGCAGATTCTTATTACAGGGGTGTTTCGGCGGA 393
QY 364 GGGACCGGGGTGACCGTCTTAGGTACGCCCAAGGCTGCCCGCTCGGTCACTCTGTTCCCG 423
DB 394 GGGACCAAGCTGACCGTCTTAGGTACGCCCAAGGCTGCCCGCTCGGTCACTCTGTTCCCG 453
QY 424 CCCTCTCTGAGGAGCTTCAAGCCCAAGGCACTAGTGTGTCTCAAAAGTGAATTC 483
DB 454 CCCTCTCTGAGGAGCTTCAAGCCCAAGGCACTAGTGTGTCTCAAAAGTGAATTC 513
QY 484 TACCGGGAGCGGTGACAGTGGGCTGGAAGGCGAGATAGCAGCCCGGTCAAGGGCGGAGTG 543
DB 514 TACCGGGAGCGGTGACAGTGGGCTGGAAGGCGAGATAGCAGCCCGGTCAAGGGCGGAGTG 573
QY 544 GAGACACCAACCCCTCCAAACAAAGCAACAAGTACGCGGCGAGCACTACCTGAGC 603
DB 574 GAGACACCAACCCCTCCAAACAAAGCAACAAGTACGCGGCGAGCACTACCTGAGC 633
QY 604 CTGACGCTGAGCAGTGGAGTCCACAGAGCTACAGCTGCCAGGTACGCGATGAAGGG 663
DB 634 CTGACGCTGAGCAGTGGAGTCCACAGAGCTACAGCTGCCAGGTACGCGATGAAGGG 693
QY 664 AGCACCTGGAGAAAGACAGTGGGCCCCCTACAGAAATGTTTCAT 703
DB 694 AGCACCTGGAGAAAGACAGTGGGCCCCCTACAGAAATGTTTCAT 733

RESULT 9

US-09-981-353-42
; Sequence 42, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 42
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1401116.1
US-09-981-353-42

Query Match 71.1%; Score 501.6; DB 9; Length 830;
Best Local Similarity 87.9%; Pred. No. 1.5e-143;
Matches 559; Conservative 0; Mismatches 74; Indels 3; Gaps 1;
QY 71 TGACTCAGCCACCTCGGTGTAGTGTCCCGGAGACAGCGGCGAGGATCACCTGTGGGG 130
DB 82 TGACTCAGCCACCTCGGTGTAGTGTCCCGGAGACAGCGGCGAGGATCACCTATTGTTGGGG 141
QY 131 GAGACACAGTGAAGTAATATGTCACCTGGGTACAGCAAGACCGCGGCGCCCTTA 190
DB 142 GACACACGTTGGAAGTATAGTGTCACTGGTACCAACAGACCGCGGCGAGCCCGCTG 201
QY 191 TACTGGTCACTATGATGATGACCGGCGCTCAGGGATCCCTGAGCGGATTTCTTGGCT 250
DB 202 TCTTGGTCACTATAAGATGACGACCGGCGCTCAGGGATCTCTGAGCGATTTCTCGGCT 261
QY 251 CCAATCAGGGAACACCGCCACCTGACCATCAACGGGGTTCGAGGCGCGGGGATGAGGCTG 310

DB 262 CCAATTCCTGGGACACCGCCACCTGACCATCAGCAGGCTCGAAGTCGGGATGAGGCGG 321
QY 311 ACTATTACTGTGCTGAGGACAGGGCTAGTGATCATCC---GGTCTTCGAGAGAGGA 367
DB 322 ACTATTACTGTGCTGAGGACATAGTGTAGTAATCTCTTATGTCTCTCGGACTGGGA 381
QY 368 CCGGCGGTGACCGTCTTAGGTACGCCCAAGGCTGCCCGCTCGGTCACTCTGTTCCCGCCT 427
DB 382 CGACGGTCACCGTCTCGGTGAGCCCAAGGCCAACCCCACTGTCACTCTGTTCCCGCCT 441
QY 428 CCTCTGAGGAGCTTCAAGCCCAAGGCACTAGTGTGTCTCATAGTGAATTCCTTACC 487
DB 442 CCTCTGAGGAGCTTCAAGCCCAAGGCCCACTAGTGTGTCTCATAGTGAATTCCTTACC 501
QY 488 CGGAGCGGTGACAGTGGGCTGGAAGGCGAGATAGCAGCCCGGTCAAGGGCGGAGTGAGA 547
DB 502 CGGAGGCTGTGACAGTGGGCTGGAAGGCGAGATAGCAGCCCGGTCAAGGGCGGAGTGAGA 561
QY 548 CCACACACCTCTCCAAACAAAGCAACAAGTACGCGGCGAGCACTACCTGAGCCTGA 607
DB 562 CCACCAACCTCTCCAAACAGAGCAACAAGTACGCGGCGAGCACTACCTGAGCCTGA 621
QY 608 CGCCTGAGCAGTGGAGTCCCAAGAGCTACAGCTGCGCAGGTCAACGATGAAGGGAGCA 667
DB 622 CGCCCGGAGCGTGGAGTCCCAAGAGCTACAGCTGCGCAGGTCAACGATGAAGGGAGCA 681
QY 668 CCGTGGAGAAAGACAGTGGGCCCCCTACAGAAATGTTTCAT 703
DB 682 CCGTGGAGAAAGACAGTGGGCCCCCTACAGAAATGTTTCAT 717

RESULT 10

US-09-981-353-55
; Sequence 55, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 55
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1400916.1
US-09-981-353-55

Query Match 69.3%; Score 488.6; DB 9; Length 846;
Best Local Similarity 81.9%; Pred. No. 1.4e-139;
Matches 576; Conservative 0; Mismatches 124; Indels 3; Gaps 1;
QY 4 AGGGTCCCGCTCAGCTCTCTGGGCTCTGTGTCTCTGGCTCCCGAGGTGACGATGTGCC 63
DB 21 ATGGGCTGGACCCCTCTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 80
QY 64 TATGAACAGTCAACGACCCCTCGGTGTAGTGTCCCGGAGACAGCGGCGAGGATCAC 123
DB 81 TATGAACAGTCAACGACCCCTCGGTGTAGTGTCCCGGAGACAGCGGCGAGGATCAC 140
QY 124 TGTGGGAGGACAAACAGTAGAATATATGTCCATCGTGTACAGAGCAAGCGGCGG 183
DB 141 TGCTCTGGAGAGCGCATTCGCAAAATAAATATGCAATTTGGTTCCAGCAAGATGTCAGGCGAG 200
QY 184 GCGCCTATACCTGCTCATCTATGATGATAGTACCGGCGCTCAGGGATCCCTGAGGATTC 243
DB 201 GCGCCTTGTCTGCTCATCTATGAGGACATATAGACACATTCGGGATCCCTGAGAGATTT 260

Db	114	GCACAGTCAGGATCACATGCGCGAGGACAGCCTCGGAAGATATTATACAAATTGTGTACCA	173
Qy	168	GCAGAAGCCAGCGGGCCCTATACCTGGTCACTATGATGATA-----GTGACCG	218
Db	174	ACTGAAGCCAGGACAGGCCCTGTCTTGTACGTATGTTAAACAAACCGGCACAAACG	233
Qy	219	GCCTCAGGAGATCCCTGAGCGATTTCTCTGGCTCCAAATCAGGGAACACCGCCACCTGAC	278
Db	234	GCCCTCAGGAATCCCAAGACGATTTCTCTGGCTCCACTTCAGGAACACACAGCTTCTCTGAC	293
Qy	279	CATCAAACGGGTCCAGCCCGGATGAGGCTGACTATTACTGTCAAGTGTGGACAGGCG	338
Db	294	CATCACTGGGGCTCAGGTTGAAGATGAGTCTGACTTTTACTGTAGTTCCGGGACAGCAG	353
Qy	339	TAGTGATCATCCGGTCTTCGAGGAGAGGACCCGGGTGACCGTCTTAGTTCAGCCCAAGGC	398
Db	354	TGGTAAAAATTGGGTGTTTCGGCGGTGGACCAAGCTGACCGTCTTAAGTCAGGCCAAAGC	413
Qy	399	TGCCCCCTCGGTCACTCTGTTTCGGGCCCTCTCTGAGGAGCTTCAAGCCCAACAGGCCAC	458
Db	414	TGCCCCCTCGGTCACTCTGTTCCACCCCTCTCTGAGGAGCTTCAAGCCCAACAGGCCAC	473
Qy	459	ACTGGTGTCTCATAAAGTGACTTCTACCCGGGAGCCGTGACAGTGGCCCTGGAAGGCAGA	518
Db	474	ACTGGTGTCTCATTAAGTGNCTTCTACCCGGGAGCCGTGACAGTGGCCCTGGAAGGCAGA	533
Qy	519	TAGCAGCCCCGTCAAGCGGGAGTGGAGACCAACACACCCTCCAAACAAAGCAACAA	578
Db	534	TAGCAGCCCCGTCAAGCGGGAGTGGAGACCAACACACCCTCCAAACAAAGCAACAA	593
Qy	579	GTAACGGCCACGACGCTTACCTGAGCCTTGACGCTGAGCGCTGAGAGTGGAAAGCTA	638
Db	594	GTAACGGCCACGACGCTTACCTGAGCCTTGAGCGCTGAGAGTGGAAAGCTTCCCAAAAAGCTA	653
Qy	639	CAGCTGCCAGGTCACGATGAAGCGGAGCACCGTGGAGAACAGTGGCCCTCACAGAATG	698
Db	654	CAGCTGCCAGGTCACGATGAAGCGGAGCACCGTGGAGAACAGTGGCCCTCACAGAATG	713
Qy	699	TTTCAT	703
Db	714	TTTCAT	718

```

RESULT 13
US-09-747-669-4
; Sequence 4, Application US/09747669
; Patent No. US20020122807A1
; GENERAL INFORMATION:
; APPLICANT: Dan, Michael D.
; APPLICANT: Saleh, Mansoor
; TITLE OF INVENTION: ANTIGEN BINDING FRAGMENTS, DESIGNATED
; TITLE OF INVENTION: 4B5 THAT SPECIFICALLY DETECT CANCER CELLS, NUCLEOTIDES
; TITLE OF INVENTION: ENCODING THE FRAGMENTS, AND USE THEREOF FOR THE PROPHYLAXIS
; TITLE OF INVENTION: AND DETECTION OF CANCERS
; FILE REFERENCE: 316082001001
; CURRENT APPLICATION NUMBER: US/09/747,669
; CURRENT FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 09/111,286
; PRIOR FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 768
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
US-09-747-669-4

```

Qy	64	TATGAATGACTCAGCCACCTCGGTGTCAGTGTCCCAAGACAGACGCCAGGATCACC	121	TCTGTGCTGACTCAGCCACCTCGAGCTGTGGACCCCGCGCAGAGGTCAACATCTCT	138
Db	79	TCTGTGCTGACTCAGCCACCTCGAGCTGTGGACCCCGCGCAGAGGTCAACATCTCT	138	TCTGTGCTGACTCAGCCACCTCGAGCTGTGGACCCCGCGCAGAGGTCAACATCTCT	138
Qy	124	TGTGGGGAGACAACAGTA-----GAAATGAATATGTCCACTGTGTACAGCAGAGGCCA	177	TGTCTGGAAGCAACTCCAACATCGGAAGTAAAGCTGTAAAGTGGTACACAGAACTCCCA	198
Db	139	TGTCTGGAAGCAACTCCAACATCGGAAGTAAAGCTGTAAAGTGGTACACAGAACTCCCA	198	TGTCTGGAAGCAACTCCAACATCGGAAGTAAAGCTGTAAAGTGGTACACAGAACTCCCA	198
Qy	178	GCGGGGCCCCATATCTGGTGTCTATGATGATAGTAGCAGCGGCCCTCAGGGATCCCTGAG	237	GCGGGGCCCCATATCTGGTGTCTATGATGATAGTAGCAGCGGCCCTCAGGGATCCCTGAG	237
Db	199	GGAAGGCCCCCAAAATTCTCATCTATAGTAAATCAGCGGCCCTCAGGGGTCCCTGAC	258	GGAAGGCCCCCAAAATTCTCATCTATAGTAAATCAGCGGCCCTCAGGGGTCCCTGAC	258
Qy	238	CGATTCTCTGGCTCCAATCAGGGAACAACCGCCACCCCTGACCATCAACCGGGTCGAGGCC	297	CGATTCTCTGGCTCCAATCAGGGAACAACCGCCACCCCTGACCATCAACCGGGTCGAGGCC	297
Db	259	CGATTCTCTGGCTCCAATCAGGGAACAACCGCCACCCCTGACCATCAACCGGGTCGAGGCC	318	CGATTCTCTGGCTCCAATCAGGGAACAACCGCCACCCCTGACCATCAACCGGGTCGAGGCC	318
Qy	298	GGGATCAGGCTGACTATTACTGTCAAGTGTGGGACAGGGCTAGTGATCATCCGGTCTTC	357	GGGATCAGGCTGACTATTACTGTCAAGTGTGGGACAGGGCTAGTGATCATCCGGTCTTC	357
Db	319	GAGATCAGGCTGATTTACTGTGCAGCATGGATGACAGCCCTGAATGTTGGGTGTTTC	378	GAGATCAGGCTGATTTACTGTGCAGCATGGATGACAGCCCTGAATGTTGGGTGTTTC	378
Qy	358	GGAGGAGGACCCGGGTGACCGTCTTAGTGCAGCCCAAGGCTGCCCCCTCGGTCACTCTG	417	GGAGGAGGACCCGGGTGACCGTCTTAGTGCAGCCCAAGGCTGCCCCCTCGGTCACTCTG	417
Db	379	GGCGGAGGGAACCAAGCTGACCGCTCGTGGGTACGCCCAAGGCTGCCCCCTCGGTCACTCTG	438	GGCGGAGGGAACCAAGCTGACCGCTCGTGGGTACGCCCAAGGCTGCCCCCTCGGTCACTCTG	438
Qy	418	TTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAAACAAAGGCCACACTGGTGTGTCTCATAAGT	477	TTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAAACAAAGGCCACACTGGTGTGTCTCATAAGT	477
Db	439	TTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAAACAAAGGCCACACTGGTGTGTCTCATAAGT	498	TTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAAACAAAGGCCACACTGGTGTGTCTCATAAGT	498
Qy	478	GACTTCTACCGGAGCGGTGACAGTGGCCCTGGAAGGCAGATAGCAGCCCCCGTCAAGGCG	537	GACTTCTACCGGAGCGGTGACAGTGGCCCTGGAAGGCAGATAGCAGCCCCCGTCAAGGCG	537
Db	499	GACTTCTACCGGAGCGGTGACAGTGGCCCTGGAAGGCAGATAGCAGCCCCCGTCAAGGCG	558	GACTTCTACCGGAGCGGTGACAGTGGCCCTGGAAGGCAGATAGCAGCCCCCGTCAAGGCG	558
Qy	538	GGAGTGGAGACCAACACACCTTCCAAACAAAGCAACAAAGTACGCGGCCAGCAGCTAC	597	GGAGTGGAGACCAACACACCTTCCAAACAAAGCAACAAAGTACGCGGCCAGCAGCTAC	597
Db	559	GGAGTGGAGACCAACACACCTTCCAAACAAAGCAACAAAGTACGCGGCCAGCAGCTAC	618	GGAGTGGAGACCAACACACCTTCCAAACAAAGCAACAAAGTACGCGGCCAGCAGCTAC	618
Qy	598	CTGAGCTGACGCTGAGCAGTGGAGTCCCAAGAGTCTACAGCTGCCAGGTCACGCGAT	657	CTGAGCTGACGCTGAGCAGTGGAGTCCCAAGAGTCTACAGCTGCCAGGTCACGCGAT	657
Db	619	CTGAGCTGACGCTGAGCAGTGGAGTCCCAAGAGTCTACAGCTGCCAGGTCACGCGAT	678	CTGAGCTGACGCTGAGCAGTGGAGTCCCAAGAGTCTACAGCTGCCAGGTCACGCGAT	678
Qy	658	GAAGGGAGCACCGTGGAGAGACAGTGGCCCCCTACAGAATGTTTCAT	703	GAAGGGAGCACCGTGGAGAGACAGTGGCCCCCTACAGAATGTTTCAT	703
Db	679	GAAGGGAGCACCGTGGAGAGACAGTGGCCCCCTACAGAATGTTTCAT	721	GAAGGGAGCACCGTGGAGAGACAGTGGCCCCCTACAGAATGTTTCAT	721

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RESULT 14
US-09-747-669-5/c
; Sequence 5, Application US/09747669
; Patent No. US20020122807A1
; GENERAL INFORMATION:
; APPLICANT: Dan, Michael D.
; APPLICANT: Saleh, Mansoor
; TITLE OF INVENTION: ANTIGEN BINDING FRAGMENTS, DESIGNATED
; TITLE OF INVENTION: 4B5 THAT SPECIFICALLY DETECT CANCER CELLS, NUCLEOTIDES
; TITLE OF INVENTION: ENCODING THE FRAGMENTS, AND USE THEREOF FOR THE PROPHYLAXIS
; TITLE OF INVENTION: AND DETECTION OF CANCERS
; FILE REFERENCE: 316082001001
; CURRENT APPLICATION NUMBER: US/09/747,669
; CURRENT FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 09/111,286
; PRIOR FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 768
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
US-09-747-669-5

Query Match          67.0%;   Score 472;   DB 10;   Length 768;
Best Local Similarity 84.4%;   Pred. NO. 1.6e-134;

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Matches	545;	Conservative	0;	Mismatches	95;	Indels	6;	Gaps	1;
Qy	64	TATGAAC	TGACTCAGCCAC	CCCTCGGTGT	CAGTGTCCC	CAGGACAGAC	AGCGCCAGGAT	CAACC	123
Db	690	TCGTGCT	TGACTCAGCCAC	CCCTCAGCGT	CTGGAC	CCCCCGGCAGAGGT	TCACCAT	CTCT	631
Qy	124	TGTGGGG	GAGACAA	CAGTA-----	GAATGA	TATGTCC	ACTGGTACC	CAGCAAGCCA	177
Db	630	TGTTCTG	GGAAGCACT	CCAAATCC	GGAAGTAA	GACTGTAA	ACTGGTAC	GCAACTCCCA	571
Qy	178	GCGCGGG	CCCCCTAT	ACTGGTCA	TCTATCAT	GATGACCGG	CCCTCAGGGAT	CCCTGAG	237
Db	570	GGAA	CGGCCCCAA	TTTCTCAT	CTATAGTAT	ATATCAGCG	CCCTCAGGGT	CCCTGAC	511
Qy	238	CGATTCT	CTGGTCCAA	ATCAGGAA	CACCGCC	ACCTGAC	CAATCAAC	CGGGTCGAGCC	297
Db	510	CGATTCT	CTGGTCCAA	GCTCGCACT	GGCACCT	TCAGCCT	CCCTGGCCAT	CAGTGGCTCCAGTCT	451
Qy	298	GGGATGAGG	CTGACTATT	ACTGTG	CAGGTGG	GACAGGG	CTAGTGAT	CACTCGGCTTC	357
Db	450	GAGGATGAGG	CTGATTAT	CTGTGC	AGATGG	GAATGAC	AGCCTGA	TGGTGGGTGTC	391
Qy	358	GGAGAGG	GAACCCGG	GTGACCGT	CCTAGG	TGAGCC	CAAGGCTG	CCCTCGGTCACTCTG	417
Db	390	GGCGAGG	GAACCAAG	CTGACCGT	CTGGGT	CAGCCCA	AGGCTG	CCCCCTCGGTCACTCTG	331
Qy	418	TTCCGCG	CCCTCTG	TAGGAGCT	TTCAAGCC	AAACAGG	CCACACTGGT	GTGTCTCATAGT	477
Db	330	TTCCGCG	CCCTCTG	TAGGAGCT	TTCAAGCC	AAACAGG	CCACACTGGT	GTGTCTCATAGT	271
Qy	478	GACTTCT	ACCGGGAG	CCGTGAC	AGTGGC	CTGGAAG	GCAGATAG	CAGCCCCCGTCAAGGCG	537
Db	270	GACTTCT	ACCGGGAG	CCGTGAC	AGTGGC	CTGGAAG	GCAGATAG	CAGCCCCCGTCAAGGCG	211
Qy	538	GGAGTGG	AGACCA	CCACAC	CCCTCCAA	ACAAGCA	AAACAAGTAC	CGCGGCAAGCTAC	597
Db	210	GGAGTGG	AGACCA	CCACAC	CCCTCCAA	ACAAGCA	AAACAAGTAC	CGCGGCAAGCTAC	151
Qy	598	CTGAGC	CTGACG	CTGAGCAGT	GGAAGT	CCCCACA	GAGGTACAGCT	CTGCCAGGTCAGCGAT	657
Db	150	CTGAGC	CTGACG	CTGAGCAGT	GGAAGT	CCCCACA	GAGGTACAGCT	CTGCCAGGTCAGCGAT	91
Qy	658	GAAGGG	AGACCCGT	TGGAGAG	AGACAGT	GGGCCCT	TACAGAAT	TGTTCAAT	703
Db	90	GAAGGG	AGACCCGT	TGGAGAG	AGACAGT	GGGCCCT	TACAGAAT	TGTTCAAT	45

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; PRIOR APPLICATION NUMBER: 09/598,042
; PRIOR FILING DATE: 2000-06-20
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: pc_Fl_genes Version 1.0
; SEQ ID NO 316
; LENGTH: 826
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (97)..(804)
US-10-098-841-316

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Search completed: April 6, 2003, 12:53:02
Job time : 74.8695 secs

QY 477 GGCACCTCTCCCAAGAGCACTCTGGGGGCAACAGCGGCTGGGCTGGCTGGTCAAGGA 536
Db 547 GGCACCTCTCTCAAGAGCACTCTGGGGGCAACAGCGGCTGGGCTGGCTGGTCAAGGA 606
QY 537 CTACTTCCCGGAAACCGGTGACGGTGTCTGTGAACTCAGCGGCCCTGACAGCGGCTGCA 596
Db 607 CTACTTCCCGGAAACCGGTGACGGTGTCTGTGAACTCAGCGGCCCTGACAGCGGCTGCA 666
QY 597 CACTTTCCTGGGTGCTTACAGTCTCTCAGGACTCTACTCCCTCAGCAGCGTGGTACCGT 656
Db 667 CACTTTCCTGGGTGCTTACAGTCTCTCAGGACTCTACTCCCTCAGCAGCGTGGTACCGT 726
QY 657 GCCCTCCAGCAGCTTGGGCAACCCAGACCTACATCTGCAACGTGAATCAAGGCCAGCAA 716
Db 727 GCCCTCCAGCAGCTTGGGCAACCCAGACCTACATCTGCAACGTGAATCAAGGCCAGCAA 786
QY 717 CACCAAGGTGCAAGAAAGCAGAGCCCAAAATCTTTGTGCAAAAACCTCACATGCCAC 776
Db 787 CACCAAGGTGCAAGAGAGTTGAGCCCAAAATCTTTGTGCAAAAACCTCACATGCCAC 846
QY 777 GTGCCAGCAGCTGAATCTCT- GGGGGGACCGTCAAGTCTTCTCTTCCCTCCCAAAACCCA 835
Db 847 GTGCCAGCAGCTGAATCTCTGGGGGACCGTCAAGTCTTCTCTTCCCTCCCAAAACCCA 906
QY 836 AGGACACCTCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGAAGTGAGCC 895
Db 907 AGGACACCTCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGAAGTGAGCC 966
QY 896 ACGAAGACCTTGAAGTCAAGTTCAACTGCTAGTGGAGCGGCTGAGGTCGATATGCA 955
Db 967 ACGAAGACCTTGAAGTCAAGTTCAACTGCTAGTGGAGCGGCTGAGGTCGATATGCA 1026
QY 956 AGACAAAGCCCGGAGGAGCAGTACAAACAGCAGTACCGTGGTCAAGTCTCTCACCG 1015
Db 1027 AGACAAAGCCCGGAGGAGCAGTACAAACAGCAGTACCGTGGTCAAGTCTCTCACCG 1086
QY 1016 TCCTGCAACAGGACTGGCTGAATGGCAAGAGTACAAGTCAAGTCTTCCAAAGAGCC 1075
Db 1087 TCCTGCAACAGGACTGGCTGAATGGCAAGAGTACAAGTCAAGTCTTCCAAAGAGCC 1146
QY 1076 TCCAGAGCCCTCATGAGAAACCATCTCCAAAGCCAAAGGCGAGCCCGAGAACACAGG 1135
Db 1147 TCCAGAGCCCTCATGAGAAACCATCTCCAAAGCCAAAGGCGAGCCCGAGAACACAGG 1206
QY 1136 TGTACACCTGCCCCATCCCGGATGAGCTGACAAAGAACAGGTCAAGCTGACCTGCC 1195
Db 1207 TGTACACCTGCCCCATCCCGGAGGAGATGACCAAGAACAGGTCAAGCTGACCTGCC 1266
QY 1196 TGTCAAGGCTTCTATCCAGCGACATCCCGTGGAGTGGAGAGCAATGGGACGCCG 1255
Db 1267 TGTCAAGGCTTCTATCCAGCGACATCCCGTGGAGTGGAGAGCAATGGGACGCCG 1326
QY 1256 AGAACAACTACAGACCAAGCCTCCCGTGTGGACTCCGAGGCTCTCTTCTCTCTACA 1315
Db 1327 AGAACAACTACAGACCAAGCCTCCCGTGTGGACTCCGAGGCTCTCTTCTCTCTATA 1386
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QY 1436 GA 1437
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US-09-822-698A-27

; Sequence 27, Application US/09822698A

; Patent No. US20020146750A1

; GENERAL INFORMATION:

; APPLICANT: Hoogenboom, Hendricus R.J.M.

; APPLICANT: Hendrikx, Maria P.G.

; TITLE OF INVENTION: MUCIN-1 Specific Binding Members and Methods of Use Thereof

; FILE REFERENCE: DX-015.1 US

; CURRENT APPLICATION NUMBER: US/09/822,698A

; PRIOR FILING DATE: 2001-03-30

; PRIOR APPLICATION NUMBER: US 09/538,913

; NUMBER OF SEQ ID NOS: 112

; SOFTWARE: Microsoft Word

; SEQ ID NO 27

; LENGTH: 1356

; TYPE: DNA

; ORGANISM: artificial sequence

; FEATURE:

; OTHER INFORMATION: nucleotide sequence coding for amino acid sequence of

; OTHER INFORMATION: SEQ ID NO:26

US-09-822-698A-27

Query Match

Best Local Similarity 79.4%; Score 1141.4; DB 10; Length 1356;

Matches 1249; Conservative 0; Mismatches 106; Indels 24; Gaps 2;

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Db	758	ACACCTCATGATCTCCCGGACCCCTGAGGTCAATGCGTGGTGGACGTGAGCCAGC	817
Qy	899	AAGACCTGAGGTCAAGTTCAACTGGTAGCGGCGGTGAGGTGCATAATGCCAAGA	958
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Job time : 152.491 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438593890 residues

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
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- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	720	100.0	720	9	US-09-948-4298-5
3	720	100.0	720	9	US-10-073-138-3
4	588.4	81.7	968	9	US-09-924-340-7
5	588.4	81.7	968	9	US-09-992-600A-7
6	533	74.0	663	10	US-09-822-698A-25
7	520.6	72.3	799	9	US-09-909-567B-14
8	519.2	72.1	729	9	US-09-726-258-41
9	497	69.0	1033	10	US-09-799-514-2
10	479.2	66.6	913	10	US-09-822-830A-531
11	473.2	65.7	974	10	US-09-859-053-29
12	472.6	65.6	948	10	US-09-859-053-33
13	471	65.4	970	10	US-09-859-053-37
14	468.8	65.1	705	10	US-09-740-002-16
15	468	65.0	990	10	US-09-800-729-79
16	457.2	63.5	762	12	US-10-066-895-29
17	456.8	63.4	780	9	US-09-726-258-54
18	456.8	63.4	780	9	US-09-726-258-65
19	456.4	63.4	1244	10	US-09-954-456-771

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21	455.8	63.3	9511	10	US-09-897-006-34	Sequence 34, Appl
22	455.6	63.3	732	12	US-10-066-895-22	Sequence 22, Appl
23	455.2	63.2	660	10	US-09-995-693-3	Sequence 3, Appl
24	455.2	63.2	780	9	US-09-726-258-58	Sequence 58, Appl
25	455.2	63.2	6563	9	US-09-726-258-61	Sequence 61, Appl
26	455.2	63.2	8120	9	US-09-726-258-68	Sequence 68, Appl
27	454	63.1	941	10	US-09-800-729-81	Sequence 81, Appl
28	449.8	62.5	721	10	US-09-825-012-7	Sequence 7, Appl
29	449.8	62.5	726	9	US-09-479-614-23	Sequence 23, Appl
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32	449.8	62.5	954	9	US-09-479-614-19	Sequence 19, Appl
C	449.8	62.5	954	9	US-09-479-614-21	Sequence 21, Appl
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37	444.8	61.8	9209	9	US-09-905-928-2	Sequence 2, Appl
38	440.8	61.2	6127	10	US-09-920-171-1	Sequence 1, Appl
39	439	61.0	728	9	US-10-040-244-15	Sequence 15, Appl
40	439	61.0	728	10	US-09-844-684-15	Sequence 15, Appl
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45	437.2	60.7	646	9	US-10-006-593-55	Sequence 55, Appl

ALIGNMENTS

RESULT 1
US-10-124-905-5
; Sequence 5, Application US/10124905
; Patent No. US20020166136A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF."
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/124,905
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 720 base pairs

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; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..720
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..720
; US-10-124-905-5

Query Match 100.0%; Score 720; DB 9; Length 720;
Best Local Similarity 100.0%; Pred. No. 2.le-222;
Matches 720; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGAGCCTCCCTGCTCAGCTCTCCGGCTGCTATTGCTCTGGTCCCGGGTCCAGTGGG 60
Db 1 ATGAGCCTCCCTGCTCAGCTCTCCGGCTGCTATTGCTCTGGTCCCGGGTCCAGTGGG 60

Qy 61 GAAGTTGTGATGACTCAGTCTCCACTGTCCCTCCCATCACACCTCGAGAGCGGCTCC 120
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; Sequence 5, Application US/09948429B
; Patent No. US20020177689A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
; TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
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; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/948,429B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: 09/383,916
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 720 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..720
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..720
; US-09-948-429B-5

Query Match 100.0%; Score 720; DB 9; Length 720;
Best Local Similarity 100.0%; Pred. No. 2.le-222;
Matches 720; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGAGCCTCCCTGCTCAGCTCTCCGGCTGCTATTGCTCTGGTCCCGGGTCCAGTGGG 60
Db 1 ATGAGCCTCCCTGCTCAGCTCTCCGGCTGCTATTGCTCTGGTCCCGGGTCCAGTGGG 60

Qy 61 GAAGTTGTGATGACTCAGTCTCCACTGTCCCTTCCCATCACACCTCGAGAGCGGCTCC 120
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Qy 121 ATCTCTGTAGTCTAGTCAAGCCCTTAAACACAGTAATGGAGACACCTTCTCTGAGTTGG 180
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US-10-073-138-3

; Sequence 3, Application US/10073138
; Publication No. US20020187146A1

GENERAL INFORMATION:

APPLICANT: ANDERSON, Darrell R.

BRAMS, Nabil

HANNA, Peter

TITLE OF INVENTION: IDENTIFICATION OF UNIQUE BINDING

INTERACTIONS BETWEEN CERTAIN ANTIBODIES AND THE HUMAN B7.1

AND B7.2 CO-STIMULATORY ANTIGENS

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

STREET: P.O. Box 1404

City: Alexandria

STATE: Virginia

COUNTRY: United States

ZIP: 22313-1404

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/073,138

FILING DATE: 13-Feb-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/746,361

FILING DATE: 08-NOV-1996

APPLICATION NUMBER: US 08/487,550

FILING DATE: 07-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Teskin, Robin L.

REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-256

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 836-6620

TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 720 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS

LOCATION: 1..720

SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-10-073-138-3

Query Match 100.0%; Score 720; DB 9; Length 720;

Best Local Similarity 100.0%; Pred. No. 2.1e-222;

Matches 720; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 ATGAGCCTCCCTGCTCAGCTCCCTCGGGCTGCTATTGCTCTCGCTCCCGGGTCCAGTGGG 60

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DB 301 AGCGCAGTGGAGGCTGAAAGATGTTGGGGTTTATTTCTGCGGGCAAGGTACAAGGACTCCT 360

QY 361 CCACATTTTCGGCGAGGACCAAGGTGGAATCAAAAGTACGGTGGGTGCACCATCTGTC 420

DB 361 CCACATTTTCGGCGAGGACCAAGGTGGAATCAAAAGTACGGTGGGTGCACCATCTGTC 420

QY 421 TTCATCTTCCCGCCACTGATGAGCAGTCTGAAATCTGGAATCTGCTGTTGTGCTGCTG 480

DB 421 TTCATCTTCCCGCCACTGATGAGCAGTCTGAAATCTGGAATCTGCTGTTGTGCTGCTG 480

QY 481 CTGAATAACTTCTATCCAGAGAGGCGCAAGTACAGTGGAGGTGGATAACGCCCTCCAA 540

DB 481 CTGAATAACTTCTATCCAGAGAGGCGCAAGTACAGTGGAGGTGGATAACGCCCTCCAA 540

QY 541 TCGGGTAACTCCAGGAGAGTGTACAGAGCAGGACAGCAAGGACAGCAGCTACAGCCTC 600

DB 541 TCGGGTAACTCCAGGAGAGTGTACAGAGCAGGACAGCAAGGACAGCAGCTACAGCCTC 600

QY 601 AGCAGCACCTGACGCTGAGCAAGCAGACTACGAGAACACAAAGTCTACGCTGCGAA 660

DB 601 AGCAGCACCTGACGCTGAGCAAGCAGACTACGAGAACACAAAGTCTACGCTGCGAA 660

QY 661 GTCACCCATCAGGCGCTGAGCTCGCCGTACAAAGAGCTTCAACAGGGAGAGTGTGA 720

DB 661 GTCACCCATCAGGCGCTGAGCTCGCCGTACAAAGAGCTTCAACAGGGAGAGTGTGA 720

RESULT 4

US-09-924-340-7

; Sequence 7, Application US/09924340

; Publication No. US20030027248A1

GENERAL INFORMATION:

APPLICANT: Bejanin, Stephane

APPLICANT: Tanaka, Hiroaki

TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF

FILE REFERENCE: 91.US2.REG

CURRENT APPLICATION NUMBER: US/09/924,340

CURRENT FILING DATE: 2001-08-06

PRIOR APPLICATION NUMBER: US 60/305,456

PRIOR FILING DATE: 2001-07-13

PRIOR APPLICATION NUMBER: US 60/302,277

```

; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: JPatent
; SEQ ID NO 7
; LENGTH: 968
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..31
; NAME/KEY: CDS
; LOCATION: 32..748
; NAME/KEY: 3'UTR
; LOCATION: 749..968
; NAME/KEY: polyA_signal
; LOCATION: 928..933
; NAME/KEY: polyA_site
; LOCATION: 953..968
; US-09-924-140-7

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Query Match	81.7%	Score 588.4	DB 9	Length 968
Best Local Similarity	88.7%	Pred. No. 6.8e-180		
Matches 637	Conservative 0	Mismatches 81	Indels 0	Gaps 0
QY	1	ATGAGCTCCCTGCTCAGCTCCTCGGGCTGCTATTGCTCTCGTCCCGGGTCCAGTGGG	60	
DB	32	ATGAGGTCCTCTGCTCAGCTCTCGGGCTGCTAATGCTCTGGGCTCTGGATCCAGTGGG	91	
QY	61	GAAGTTGTGATGACTCAGTCTCCACTGTCCTTCCCATCACACCTGGAGAGCGGCGCTCC	120	
DB	92	GATATTGTGATGACTCAGTCTCCACTTCTCTGCGCGTCAACCTGGAGAGCGGCGCTCC	151	
QY	121	ATCTCTGTAGTCTAGTCAAGCTTAAACACAGTAATGAGACACCTTCTTGATTTGG	180	
DB	152	ATCTCTGCAGTCTAGTCAGAGCTCTCTGATGTTCAAGGTCCTCAACTATTGGATTGG	211	
QY	181	TATCAGCAGAAAGCAGGCGCAACCTCCAAAGGCTCCCTGATTTATAGGTTTCTAAACCGGAC	240	
DB	212	TACCACAGAAAGCAGGCGCATCTCCAACCTCTTGATATATTCTGGGTTCTAATCGGGCC	271	
QY	241	TCTGGGTCCTCAGACAGATTACAGGCGCAGTGGGGCAGGACAGATTTTCACACTGAAATC	300	
DB	272	TCGGGGTCCCTGACAGTTTCACTGGCAGTGGATCAGGCAAGATTTTCACACTGAAATC	331	
QY	301	AGCGCAGTGGAGGTGAAGATGTTGGGGTTTATTTCTCGGGCAAGGTACAAGGACTCCT	360	
DB	332	AGTAGAGTGGAGGTGAGGATGTTGGGGTTTATTACTGCATGCAAGCTCTACAAATCCA	391	
QY	361	CCCACTTTGGGGGAGGACCAAGGTGAAATCAACGTACGGTGGCTGCACCATCTGTC	420	
DB	392	TTCACTTTCCGGCCCTGGGACAGAGTGGATATCAAGCGAACTGTGGGCTGCACCATCTGTC	451	
QY	421	TTCACTTTCCCGCCATCTGATGAGCAGTTGAAATCTCGAACTGCCTCTGTTGTGTGCGCTG	480	
DB	452	TTCACTTTCCCGCCATCTGATGAGCAGTTGAATCTCGAACTGCCTCTGTTGTGTGCGCTG	511	
QY	481	CTGAATAACTTCTATCCAGAGAGCCAAAGTACAGTGGAAAGGTGGATAACGCGCTCCAA	540	
DB	512	CTGAATAACTTCTATCCAGAGAGCCAAAGTACAGTGGAAAGGTGGATAACGCGCTCCAA	571	
QY	541	TCGGGTAACTCCAGGAGAGTGTACAGAGCAGGACAGCAAGGACAGCACTTACAGCTC	600	
DB	572	TCGGGTAACTCCAGGAGAGTGTACAGAGCAGGACAGCAAGGACAGCACTTACAGCTC	631	
QY	601	AGCAGCACCTTGACGCTGAGCAAAAGCAGCTACAGAAACACAAAGTCTACGCTTGGAA	660	
DB	632	AGCAGCACCTTGACGCTGAGCAAAAGCAGCTACAGAAACACAAAGTCTACGCTTGGAA	691	
QY	661	GTCAACCCATCAGGCGCTGAGCTCGCGCCGCTCAAAAGAGCTTCAACAGGGGAGAGTGTT	718	

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Db      692  GTCAACCATCAGGCGCTGAGCTCGCCGTCACAAAGAGCTTCACAGGGGAGAGTGT 749
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RESULT 5
US-09-992-600A-7
; Sequence 7, Application US/09992600A
; Publication No. US20030027161A1
; GENERAL INFORMATION:
; APPLICANT: Benjamin, Stephanie
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US4.DIV
; CURRENT APPLICATION NUMBER: US/09/992,600A
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: JPatent
; SEQ ID NO 7
; LENGTH: 968
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..31
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 32..748
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 749..968
; FEATURE:
; NAME/KEY: polyA_signal
; LOCATION: 928..933
; FEATURE:
; NAME/KEY: polyA_site
; LOCATION: 953..968
US-09-992-600A-7

```

Query Match	81.7%	Score 588.4	DB 9	Length 968
Best Local Similarity	88.7%	Pred. No. 6.8e-180		
Matches 637	Conservative 0	Mismatches 81	Indels 0	Gaps 0
Qy	1	ATGAGCCTCCCTGCTCAGCTCCTCGGGCTGCTATTGCTCTGCGTCCCGGGTCCAGTGGG	60	
Db	32	ATGAGGTCCTCGTCTCAGCTCCTCGGGCTGCTAAATGCTCTGGGTCTCTGGATCCAGTGGG	91	
Qy	61	GAAGTGTGATGACTTCAGTCTCCACTGTCCCTTCCCATCACCTCGAGAGCCGGCCTCC	120	
Db	92	GATATTGTGATGATCTCAGTCTCCACTCTTCTGCGCGTCACTTCTGGAGAGCCGGCCTCC	151	
Qy	121	ATCTCCTGTAGGCTAGTCAAAAGCCTTAAACACAGTAAATGGAGACACTTCTCGATTGG	180	
Db	152	ATCTCCTGCAGTCTAGTCAGAGCCTCTCGATGTTCAAGGGTCCAACATTTTGGATTGG	211	
Qy	181	TATCAGCAGAAAGCCAGGCACACTTCCAAAGGCTCCTGATTTATAAGGTTTCTAAACGGGAC	240	
Db	212	TACCACAGAAAGCCAGGSCAGTCTCCACAACTCCTGATATACTTTGGGTCTTAATCGGGCC	271	
Qy	241	TCTGGGTCCCAGACAGATTACGGCGGAGTGGGCGAGGACAGATTTTCACACTGAAATC	300	
Db	272	TCCGGGGTCCCTGCACAGGTTCAGTGGCAGTGGATTCAGGCACAGATTTTCACACTGAAATC	331	

QY 301 AGCCAGTGGAGGCTGAAGATGTTGGGGTTTATTTCTGCGGGCAAGGTACAAAGGACTCCT 360
DB 332 AGTAGAGTGGAGGCTGAGGATGTTGGGGTTTATTTCTGCGGGCAAGGTACAAAGGACTCCT 391
QY 361 CCACATTTCCGGCGGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 420
DB 392 TTCACTTTCCGGCGGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 451
QY 421 TTCACTTTCCGGCGGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 480
DB 452 TTCACTTTCCGGCGGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 511
QY 481 CTGAATTAACCTTATCCAGAGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 540
DB 512 CTGAATTAACCTTATCCAGAGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 571
QY 541 TCAGGTAACCTTATCCAGAGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 600
DB 572 TCAGGTAACCTTATCCAGAGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 631
QY 601 AGCAGACCTTGAAGTACAGGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 660
DB 632 AGCAGACCTTGAAGTACAGGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 691
QY 661 GTCAACCATCAGGCGCTGAGCTGCGCCGTCACAAAGAGCTTCAACAGGGGAGAGTGT 718
DB 692 GTCAACCATCAGGCGCTGAGCTGCGCCGTCACAAAGAGCTTCAACAGGGGAGAGTGT 749

RESULT 6

US-09-822-698A-25
; Sequence 25, Application US/09822698A
; Patent No. US20020146750A1
; GENERAL INFORMATION:
; APPLICANT: Hoogenboom, Hendricus R.J.M.
; APPLICANT: Henderikx, Maria P.G.
; TITLE OF INVENTION: MUCIN-1 Specific Binding Members and Methods of Use Thereof
; FILE REFERENCE: DYX-015.1 US
; CURRENT APPLICATION NUMBER: US/09/822,698A
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 09/538,913
; PRIOR FILING DATE: 2000-03-30
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: Microsoft Word
; SEQ ID NO 25
; LENGTH: 663
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: nucleotide sequence coding for amino acid sequence of
; OTHER INFORMATION: SEQ ID NO:24
US-09-822-698A-25

Query Match 74.0%; Score 533; DB 10; Length 663;
Best Local Similarity 89.0%; Pred. No. 4.6e-162;
Matches 588; Conservative 0; Mismatches 70; Indels 3; Gaps 1;
QY 61 GAAGTTGTGATGACTCAGTCTCCACTGTCCTTTCCCATCACACCTGGAGAGCGGCTCC 120
DB 1 GAAATTTGTGATGACTCAGTCTCCACTGTCCTTCCCGTCCAGCTGGAGAGCGGCTCC 60
QY 121 ATCTCTGTAGTCTAGTCAAGGCTTAAACAGAGTAATGGAGACCTTCCTGAGTTGG 180
DB 61 ATCTCTGTAGTCTAGTCAAGGCTTAAACAGAGTAATGGAGACCTTCCTGAGTTGG 120
QY 181 TATCAGCAGAGGCGAGGCGGAGGCTTCAAGGCTCCTGATTTATAAGGTTTCTTAACCGGAG 240
DB 121 TACCTGAGAGGCGAGGCGGAGGCTTCCACAGCTCCTGATCTATTTCGGGTTCTCATCGGCG 180
QY 241 TCTGGGTTCCAGACAGATTACAGGCGAGTGGGGGAGGAGGAGGAGATTTCACATGAAATC 300
DB 181 TCGGGGTTCCAGACAGATTACAGGCGAGTGGGGGAGGAGGAGGAGATTTCACATGAAATC 240

QY 301 AGCCAGTGGAGGCTGAAGATGTTGGGGTTTATTTCTGCGGGCAAGGTACAAAGGACTCCT 360
DB 241 AGCAGAGTGGAGGCTGAGGATGTTGGAGTTTATTTACTGATGCAAGGCTTACAGAGTCCA 300
QY 361 CCACATTTCCGGCGGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 417
DB 301 TTCACTTTCCGGCGGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 360
QY 418 GTCTTCATCTTCCCGGCAATCTGATGAGCAGATTGAAATCTGGAATCTGCTGTTGTGTGC 477
DB 361 GTCTTCATCTTCCCGGCAATCTGATGAGCAGATTGAAATCTGGAATCTGCTGTTGTGTGC 420
QY 478 CTGCTGAATTAACCTTATCCAGAGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 537
DB 421 CTGCTGAATTAACCTTATCCAGAGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 480
QY 538 CAATCCGGGTAACTCCAGAGAGGAGTGTACAGAGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 597
DB 481 CAATCCGGGTAACTCCAGAGAGGAGTGTACAGAGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 540
QY 598 CTGAGCAGACCTTGAAGTACAGGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 657
DB 541 CTGAGCAGACCTTGAAGTACAGGAGGAGCAAGGTGGAATCAAAAGTACAGGCTGACCAATCTGTC 600
QY 658 GAAGTCAACCATCAGGCGCTGAGCTGCGCCGTCACAAAGAGCTTCAACAGGGGAGAGTGT 717
DB 601 GAAGTCAACCATCAGGCGCTGAGCTGCGCCGTCACAAAGAGCTTCAACAGGGGAGAGTGT 660
QY 718 T 718
DB 661 T 661

RESULT 7

US-09-909-567B-14
; Sequence 14, Application US/09909567B
; Publication No. US2003002257A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto A.
; APPLICANT: Nair, Manoj
; APPLICANT: Chen, Seiyu
; TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes
; FILE REFERENCE: DEX-0214
; CURRENT APPLICATION NUMBER: US/09/909,567B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: 60/219,834
; PRIOR FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 799
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-909-567B-14

Query Match 72.3%; Score 520.6; DB 9; Length 799;
Best Local Similarity 86.1%; Pred. No. 4.9e-158;
Matches 614; Conservative 0; Mismatches 89; Indels 10; Gaps 3;
QY 9 CCCTGCTCAGCTCCTCGGGCTGCTATTGCTGCGTCCCGGGTCCAGTGGGGAAGTTGT 68
DB 1 CCCTGCTCAGCTCCTCGGGCTGCTATTGCTGCGTCCCGGGTCCAGTGGGGAAGTTGT 53
QY 69 GATGACTCAGTCTCAGTCTCCTTCCCATCACACTGGAGAGCGGCTCCATCTCTG 128
DB 54 GATGACCCAGCTCCACTCTCCTTGTCTATCACCCCTGGAGAGAGGCTCCATCTGCTG 113
QY 129 TAGGTCTAGTCAAGGCTTAAACAGAGTAATGGAGACCTTCCCTGAGTGGTATCACA 188
DB 114 CAGGTCTAGTCAAGGCTCCTGCTAGTATGGATACACCTATTGTTATTGTTCTGCA 173
QY 189 G-AAGCCAGGCCAACCTCCCAAGGCTCCTGATTATTAAGGTTTCTTAACCGGAGACTCG - 245

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Db 174 GAAAGCCAGGCGAGTCTCCACAGCTCCTGATCTATGAAGTTTCCACCGGTTCTCTGGAG 233
QY 246 GGTCCAGACAGATTTCAGCGCGAGTGGGCGAGGACAGATTTCACACTGAAATCAGCGC 305
Db 234 TGTCAACATTAGGTTTCAGTGGCAGCGGTCCGGAGAGAAATTCACATTGAGAAATCAGCG 293
QY 306 AGTGGAGGCTGAAGATGTTGGGGTTTATTTCTGCGGCAAGGTACAAGGACTCTCCAC 365
Db 294 GGTGGAGGCTGACGATCTGGAGTTTACTACTGATGCAAACTACAGACTCCGAACAC 353
QY 366 TTTCCGCGGAGGACCAAGGTGGAATCAAAAGTACGCTGCTGCACCATCTGCTTCAT 425
Db 354 TTTTGGCCAGGCGAGGCTGGAGATCAAAAGAACTGTGGCTGCACCATCTGCTTCAT 413
QY 426 CTTCCCGCCCATCTGATCAGCAGTTGAATCTGGNACTGCCTCTGTTGTGCTGCTGTA 485
Db 414 CTTCCCGCCCATCTGATCAGCAGTTGAATCTGGAACTGCCTCTGTTGTGCTGCTGTA 473
QY 486 TAACTTCTATCCAGAGAGGCGCAAGTACAGTGAAGGTGATAAACGCCCTCCAAATCGGG 545
Db 474 TAACTTCTATCCAGAGAGGCGCAAGTACAGTGAAGGTGATAAACGCCCTCCAAATCGGG 533
QY 546 TAACTCCAGAGAGTGTCAAGAGCAGGACAGCAAGGACAGCACTTACAGCTTACGAG 605
Db 534 TAACTCCAGAGAGTGTCAAGAGCAGGACAGCAAGGACAGCACTTACAGCTTACGAG 593
QY 606 CACCTTGACCTGAGCAAGCAGACTACGAGAAACACAAAGTCTACGAGGAGAGTGT 718
Db 594 CACCTTGACCTGAGCAAGCAGACTACGAGAAACACAAAGTCTACGAGGAGAGTGT 706
QY 666 CACTAGGGGCTGAGCTGCGCCCTCAAAAGAGCTTCAACAGGGGAGAGTGT 718
Db 654 CACTAGGGGCTGAGCTGCGCCCTCAAAAGAGCTTCAACAGGGGAGAGTGT 706
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RESULT 8

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US-09-726-258-41
; Sequence 41, Application US/09726258
; Publication No. US20030021790A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc., Hsui, Vanessa
; APPLICANT: Koumenis, Iphigenia
; APPLICANT: Leong, Steven R.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Shahrokhi, Zahra
; APPLICANT: Zapata, Gerardo A.
; TITLE OF INVENTION: ANTIBODY FRAGMENT-POLYMER CONJUGATES AND
; TITLE OF INVENTION: HUMANIZED ANTI-IL-8 MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/726,258
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/234,182
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/094003
; FILING DATE: 24-JUL-1998
; ATTORNEY/AGENT INFORMATION:
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```
; NAME: Love, Richard B.
; REGISTRATION NUMBER: 34,659
; REFERENCE/DOCKET NUMBER: P1085R4-1A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-5530
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 729 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Double
; TOPOLOGY: Linear
; US-09-726-258-41
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Query Match 72.1%; Score 519.2; DB 9; Length 729;
Best Local Similarity 86.7%; Pred. No. 1.3e-157;
Matches 572; Conservative 0; Mismatches 88; Indels 0; Gaps 0;
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QY 61 GAAGTTGTGATGACTCAGTCTCCACTGTCCCTTCCCATCACACTGGAGAGCGGCTCC 120
Db 70 GATATCGTGTGATGACACAGACACCACTCTCCCTGCCTGTTCAGTCTTGGAGATCAGGCTCC 129
QY 121 ATCTCTGTAGGTCTAGTCAAAAGCCTTAAACACAGTAATGGAGACACCTTTCCTGAGTTGG 180
Db 130 ATCTCTTGCAGATCTAGTCAAGCCTTGTACCGGTATTGGAAACACCTATTACATTGG 189
QY 181 TATCAGCAGAGCAGGCGCAACCTCCAAAGCTCCTGATTTATAAGGTTTCTAACCGGGAC 240
Db 190 TACCTGCAGAAAGCAGGCGCACTCTCCAAAGCTCCTGATCTACAAAGTTTCCAAACCGATT 249
QY 241 TCTGGGCTCCACAGACAGATTTCAGCGCAGTGGGCGAGGACAGATTTCACACTGAAATC 300
Db 250 TCTGGGCTCCACAGACAGTTTCAGTGGCAGTGGATCAGGACAGATTTCACACTCAGGATC 309
QY 301 AGCGCAGTGGAGGCTGAAGATGTTGGGTTTATTTCTGCGGGCAAGGTACAAGGACTCCT 360
Db 310 AGCAGAGTGGAGGCTGAGGATCTGGGACTTTATTTCTGCTCTCAAGTACACATGTTCCG 369
QY 361 CCCACTTTTCGGCGGAGGACCAAGGTGGAAATCAAACTGACGTTGGCTGCACCATCTGTC 420
Db 370 CTCAGCTTCGGTGTGGGACCAAGCTGGAGCTGAAACCGGCTGTTGCTGCACCAACTGTA 429
QY 421 TTCACTTTCCCGCCCATCTGATGAGCAGTTGAAATCTGGAATCTGGAATCTGTTGTGTCCTG 480
Db 430 TTCACTTTCCCGCCCATCTGATGAGCAGTTGAAATCTGGAATCTGTTGTGTCCTG 489
QY 481 CTGAATACTTCTATCCAGAGAGGCGCAAAAGTACAGTGGAAAGTGAATAACGCCCTCCAA 540
Db 490 CTGAATACTTCTATCCAGAGAGGCGCAAAAGTACAGTGGAAAGTGAATAACGCCCTCCAA 549
QY 541 TCGGCTAACTCCAGAGAGTGTACAGAGGAGGACAGGACAGGACGACCACTACAGCCTC 600
Db 550 TCGGCTAACTCCAGAGAGTGTACAGAGGAGGACAGGACAGGACGACCACTACAGCCTC 609
QY 601 AGCAGCACCTTGACGCTGAGCAAAAGCAGACTACAGAAACACAAAGTCTACGCCCTCGAA 660
Db 610 AGCAGCACCTTGACGCTGAGCAAAAGCAGACTACAGAAACACAAAGTCTACGCCCTCGAA 669
QY 661 GTCACCATCAGGCGCTGAGCTGCGCCCTCAAAAGAGCTTCAACAGGGGAGAGTGTGA 720
Db 670 GTCACCATCAGGCGCTGAGCTGCGCCCTCAAAAGAGCTTCAACAGGGGAGAGTGTGA 729
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RESULT 9

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US-09-799-514-2
; Sequence 2, Application US/09799514
; Patent No. US20020065220A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: Immunoglobulin Superfamily Polynucleotides, Polypeptides, and A
; FILE REFERENCE: PT015P1
; CURRENT APPLICATION NUMBER: US/09/799,514
; CURRENT FILING DATE: 2001-03-07
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GENERAL INFORMATION:
; APPLICANT: Genetics Institute, Inc.
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fichtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakara
; APPLICANT: Graham, James R.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6402
; CURRENT APPLICATION NUMBER: US/09/822,830A
; CURRENT FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195,604
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 631
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 531
; LENGTH: 913
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-830A-531

Query Match 66.6%; Score 479.2; DB 10; Length 913;
Best Local Similarity 81.0%; Pred. No. 1.2e-144;
Matches 575; Conservative 0; Mismatches 123; Indels 12; Gaps 1;

QY 9 CCCTGCTCAGCTCCCTGGGCTGCTATTGCTCTGCGTCCCGGGTCCAGTGGGGAAGTTGT 68
DB 13 CCAGCGCGGCTCTCTTCTCTGCTCTCTGCTCTCCAGATACCCAGCAGAAATTGT 72
QY 69 GATGACTCAGTCTCCACTGCTCCCTTCCCATCACCTGAGAGCCGCGCTCCATCTCTCTG 128
DB 73 GTTGACGAGTCTCCCGGACCTGCTGCTCTCTCAGGGAAGAGCCACCTCTCTCTG 132
QY 129 TAGGTCTAGTCAAGCTTTAAACACAGTAATGAGACACCTTCTGAGTGGTATACGCA 188
DB 133 TAGGGCAGTCAAGTCT-----TGGTAAACAATCTTAGCTGGTATCTGCTCA 180
QY 189 GAAGCCAGGCCAACCTCCAGGCTCTGATTTATAAGGTTTCTAAACGGGACTCTGGGGT 248
DB 181 GAAACCTGGCCAGGCTCCCGAATCTCTCATCATGCTGTTTCTACGAGGCCACCGCAT 240
QY 249 CCAGACAGATTACGCGGAGTGGGAGGAGAGATTTACACTGAAATACAGCGAGT 308
DB 241 CCAGAAAGGTTTCACTGGCAGTGGGTCTGGGACAGACTTCACTCTCACTCAGCAGACT 300
QY 309 GGAGGCTGAGATGTTGGGGTTTATTTCTGCGGGCAAGGTACAGGACTCTCCACTTT 368
DB 301 GGAACCTGAAGACTTTGCGGTATATTACTGTCAACATATATAGTTTCACTGTTCACTTT 360
QY 369 CGCGGAGGGACCAAGGTGGAATCAAACTGACGGTGGCTGACCAATCTGTCTTCACTTT 428
DB 361 TGCGCAGGGACCAAGGTGCTCATCAAAAGAACTGTGGCTGCAACATCTGTCTTCACTTT 420
QY 429 CCGCCATCTGATGAGCAGTTGAAATCTGGAATCTGCTCTGTTGTTGCTGCTGAATAA 488
DB 421 CCGCCATCTGATGAGCAGTTGAAATCTGGAATCTGCTCTGTTGTTGCTGCTGAATAA 480
QY 489 CTCTATCCAGAGAGGCCAAAGTACAGTGGAAAGGTGAAATCGCCCTCCAAATCGGGTAA 548
DB 481 CTCTATCCAGAGAGGCCAAAGTACAGTGGAAAGGTGAAATCGCCCTCCAAATCGGGTAA 540
QY 549 CTCAGGAGAGTGTCTACAGAGCAGGACAGCAAGGACAGCACTTACAGCTTACAGAGCAC 608
DB 541 CTCAGGAGAGTGTCTACAGAGCAGGACAGCAAGGACAGCACTTACAGCTTACAGAGCAC 600
QY 609 CTGACCTGAGCAAGCAGACTACAGAGAAACACAAAGTCTTACGCTGCGGAAGTCAACCA 668
DB 601 CTGACCTGAGCAAGCAGACTACAGAGAAACACAAAGTCTTACGCTGCGGAAGTCAACCA 660
QY 669 TCAGGGCTGAGCTCGCCCGCTCAACAAAGAGCTTCAACAGGGGAGAGTGT 718

PRIOR APPLICATION NUMBER: PCT/US00/23662
; PRIOR FILING DATE: 2000-08-29
; PRIOR APPLICATION NUMBER: 60/152,248
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1033
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-799-514-2

Query Match 69.0%; Score 497; DB 10; Length 1033;
Best Local Similarity 81.6%; Pred. No. 2.2e-150;
Matches 588; Conservative 0; Mismatches 130; Indels 3; Gaps 1;

QY 1 ATGAGCCCTCCCTGCTCAGCTCTCGGGCTGCTATTGCTCTGCGTCCCGGGTCCAGTGGG 60
DB 10 ATGGTGTGTCAGACCCAGGTCTTCAATTTCTGTTGCTCTGATCTCTGCTGCTACGGC 69
QY 61 GAAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 120
DB 70 GAT 129
QY 121 ATCTCTGCTAGTCTAGTCAAGCCCTTAAACACAG---TAATGGAGACACTTCTCTGAGT 177
DB 130 ATCACTGCAAGTCCAGCCAGACTGTTTATATACAGCTCCGACAAATAAGAACTACTTAGCT 189
QY 178 TGGTATCAGACAGAGCCAGCCGACCTCCAGGCTCTGATTTATTAAGTTTCTAACCAG 237
DB 190 TGGTATCAGACAGAGCCAGCCGACCTCCAGGCTCTGATTTTACGCGCATCTACCCCG 249
QY 238 GACTCTGGGCTCCACACAGATTTACGCGCAGTGGGAGGAGGACAGATTTCACTGAAA 297
DB 250 GAATCCGGGCTCCGACGATTTCACTGAGCGGCTTGGGACAGATTTCACTCTCACC 309
QY 298 ATCAGCGCAGTGGAGCTGAAGATGTTGGGGTTTATTTCTGCGGGCAAGGTACAGGACT 357
DB 310 ATCAGCAGCTGCGAGCTGAAGATGTTGGGAGTTTATTTACTGTGAGCAATATTATAGTACT 369
QY 358 CTTCCACTTTCCGCGGAGGACCAAGTGGGAAATCAAGCTACGGTGGCTGACCATCT 417
DB 370 CCGTACAGTTTGGCCAGGGGACCAAGTGGGAAATCAAGCAATCTGTTGCTGACCATCT 429
QY 418 GTCTTCATCTTCCCGCATCTGATGAGCAGTTGAAATCTGAAATCTGCTCTGTTGTTGTC 477
DB 430 GTCTTCATCTTCCCGCATCTGATGAGCAGTTGAAATCTGAAATCTGCTCTGTTGTTGTC 489
QY 478 CTGCTGAATTAATCTTCTATCCAGAGGCGCAAGTACAGTGGAAAGGTGGATTAACGCCCTC 537
DB 490 CTGCTGAATTAATCTTCTATCCAGAGGCGCAAGTACAGTGGAAAGGTGGATTAACGCCCTC 549
QY 538 CAATCGGGTAACTCCAGGAGAGTGTACAGAGCAGGACAGGAGGACAGCAGCTACAGC 597
DB 550 CAATCGGGTAACTCCAGGAGAGTGTACAGAGCAGGACAGGAGGACAGCAGCTACAGC 609
QY 598 CTCAGCAGCAGCTTCTGAGCCTGAGCAAAAGCAGACTTACAGAGAAACACAAAGTCTACGCCCTGC 657
DB 610 CTCAGCAGCAGCTTCTGAGCCTGAGCAAAAGCAGACTTACAGAGAAACACAAAGTCTACGCCCTGC 669
QY 658 GAAGTCAACCATCAGGGCTGAGCTCCCGCTGACAAAGAGCTTCAACAGGGGAGAGTGT 717
DB 670 GAAGTCAACCATCAGGGCTGAGCTCCCGCTGACAAAGAGCTTCAACAGGGGAGAGTGT 729
QY 718 T 718
DB 730 T 730

RESULT 10
US-09-822-830A-531
; Sequence 531, Application US/09822830A
; Patent No. US20020142952A1

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Db 661 TCAGGGCCTGAGCTCGCCCTGCAAAAGAGCTTCAACAGGGAGAGTGT 710
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RESULT 11
US-09-859-053-29
; Sequence 29, Application US/09859053
; Patent No. US20020102658A1
; GENERAL INFORMATION:
; APPLICANT: Teuji, Takaashi
; APPLICANT: Tezuka, Katsunari
; APPLICANT: Hori, No. US20020102658A1uaki
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODY AGAINST A
; TITLE OF INVENTION: COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE AILIM AND
; TITLE OF INVENTION: PHARMACEUTICAL USE THEREOF
; FILE REFERENCE: 06501-079001
; CURRENT APPLICATION NUMBER: US/09/859,053
; CURRENT FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: JP 2001-99508
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: JP 2000-147116
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 974
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (1)...(38)
; NAME/KEY: CDS
; LOCATION: (39)...(746)
; NAME/KEY: 3'UTR
; LOCATION: (750)...(974)
; NAME/KEY: sig_peptide
; LOCATION: (39)...(104)
US-09-859-053-29

Query Match 65.7%; Score 473.2; DB 10; Length 974;
Best Local Similarity 80.1%; Pred. No. 1e-142;
Matches 575; Conservative 0; Mismatches 128; Indels 15; Gaps 1;

Qy 1 ATGAGCTCCCTGCTCAGCTCTCGGGCTGCTATTGCTCTGGTCCCGGGTCCAGTGG 60
Db 45 ATGAGGGTCCCGCTCAGCTCTCGGGCTCTGCTGCTGGTCCAGGTTCCAGATGC 104
Qy 61 GAAGTTGTGATGACTCAGTCTCAGTCTCCCTTCCATCACACCTGGAGAGCGGCTCC 120
Db 105 GACATCCAGATGCCAGCTCTCCATCTCCGTCTGCACTGTAGGAGACAGAGTACC 164
Qy 121 ATCTCTGTAGTCTAGTCAAGCCCTTAAACACAGTAATGGAGACACCTTCTGAGTTGG 180
Db 165 ATCACTTGTGGGCGAGTCAGGTATTA-----GCAGGTTGTAGCCTGG 209
Qy 181 TATCAGCAGAGCAGGCGCAACCTCCAGGCTCCTGATTAATAAGTTTCAACCGGAC 240
Db 210 TATCAGCAGAAACAGGGAAGCCCTAAACTCTGATCTATGTTGCATCCAGTTTGC 269
Qy 241 TCTGGGTCCCAACAGAGATTACAGCGGCTAGTGGGCGAGGACAGATTTCAACGAAATC 300
Db 270 AGTGGGTCCCAACAGGTTACGCGGCTAGTATCTGGACAGATTTCACTCTCACCATC 329
Qy 301 AGCGCAGTGGAGGCTGAAGATTTGGGGTTTATTTCTCGGGCAAGGTACAGGACTCCT 360
Db 330 AGCAGCTGCAGCCTGAAGATTTTGCAACTTACTATTGTCAACAGGCTAAACAGTTTCCG 389
Qy 361 CCCATTTTCGGCGGAGGACCAAGGTGAATCAACGTACGGTGGCTGACCATCTGTC 420
Db 390 TGGAGTTTCGGCGGAGGACCAAGGTGAATCAACGAACTGTGGCTGCACCATCTGTC 449
Qy 421 TTCATCTTCCGCCCATCTGATGAGCAGTTGAAATCTGGAATCTGGAATCTGTTGTGCTG 480
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Db 450 TTCATCTTCCGCCCATCTGATGAGCAGTTGAATCTGGAATCTGCTCTGTTGTGCTG 509
Qy 481 CTGAATAACTTCTATCCAGAGAGGCCAAAGTACAGTGAAGGTGATTAACGCCCTCCAA 540
Db 510 CTGAATAACTTCTATCCAGAGAGGCCAAAGTACAGTGAAGGTGATTAACGCCCTCCAA 569
Qy 541 TCGGGTAACCTCCAGGAGAGTGTTCACAGAGCAGGACAGCAAGGACAGCCTACAGCCTC 600
Db 570 TCGGGTAACCTCCAGGAGAGTGTTCACAGAGCAGGACAGCAAGGACAGCCTACAGCCTC 629
Qy 601 AGCAGCACCTCTGACGCTGAGCAAAAGCAGACTACGAGAAAACACAAAGTCTACGCTCGAA 660
Db 630 AGCAGCACCTCTGACGCTGAGCAAAAGCAGACTACGAGAAAACACAAAGTCTACGCTCGAA 689
Qy 661 GTCAACCATCAGGCTGAGCTGCGCCCTGCACAAAGAGCTTCAACAGGAGAGTGT 718
Db 690 GTCAACCATCAGGCTGAGCTGCGCCCTGCACAAAGAGCTTCAACAGGAGAGTGT 747

RESULT 12
US-09-859-053-33
; Sequence 33, Application US/09859053
; Patent No. US20020102658A1
; GENERAL INFORMATION:
; APPLICANT: Teuji, Takaashi
; APPLICANT: Tezuka, Katsunari
; APPLICANT: Hori, No. US20020102658A1uaki
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODY AGAINST A
; TITLE OF INVENTION: COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE AILIM AND
; TITLE OF INVENTION: PHARMACEUTICAL USE THEREOF
; FILE REFERENCE: 06501-079001
; CURRENT APPLICATION NUMBER: US/09/859,053
; CURRENT FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: JP 2001-99508
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: JP 2000-147116
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (1)...(27)
; NAME/KEY: CDS
; LOCATION: (28)...(735)
; NAME/KEY: 3'UTR
; LOCATION: (739)...(948)
; NAME/KEY: sig_peptide
; LOCATION: (28)...(87)
; NAME/KEY: misc_feature
; LOCATION: (1)...(948)
; OTHER INFORMATION: n = A,T,C or G
US-09-859-053-33

Query Match 65.6%; Score 472.6; DB 10; Length 948;
Best Local Similarity 81.2%; Pred. No. 1.6e-142;
Matches 579; Conservative 0; Mismatches 119; Indels 15; Gaps 2;

Qy 9 CCCTGCTCAGCTCCTCGGGCTGCTATTGCTCTGGCTCCCGGGTCCAGTGGGGAAGTTGT 68
Db 36 CCCAGCGCAGCTTCTTCTCTCTCTGCTACTCTGGCTCCCATACCCAGCGAGAAATTGT 95
Qy 69 GATCACTCAGTCTCCACTGTCCCTCCCATCACACCTGGAGAGCGGCTCCATCTCTG 128
Db 96 GTTGACGAGTCTCCAGGCACCTGTCTTTGTCTCCAGGGGAAAGAGCCCTCTCCTG 155
Qy 129 TAGGCTCTAGTCAAAGCCTTAAACACAGTAATGGAGACACCTTCTCTGAGTTCGTATCAGCA 188
Db 156 CAGGCCAGT-----CAGATATTAGAGCAGCTACTAGCCTGGTACCAGCA 203
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QY 189 GAAGCCAGGACCAACCTCCAGAGCTCTCTGATTTATAGGTTTCTAAACCGGACTCTGGGGT 248
DB 204 GAAACCTGGCCAGGCTCCCGGGCTCTCTATCTATGTTGATCCAGCAGGCGCACTGGCAT 263
QY 249 CCCAGACAGATTACGGGAGCTGGGCGAGGACAGATTTTCACTGAAATCAGCGCAT 308
DB 264 CCCAGACAGATTACGGGAGCTGGGCGAGGCTCTCTCTCACTCACTCAGCAGACT 323
QY 309 GGAGGCTGAAGATGTTGGGGTTTATTTCTGCGGCAAGGTCAAGGACTCCT---CCCAC 365
DB 324 GGAGGCTGAAGATTTTGGCAGTGTATTTCTGTCAGCAGTTTGGTAGCTCACTATGTCAG 383
QY 366 TTTCCGCGGAGGACCAAGGTGGAATCAAAAGTACCGTGGCTGGTCACTCTGTTTCAT 425
DB 384 TTTTGGCCAGGGGACCAAGCTGGAGATCAAAAGTGTGGCTGGTCACTCTGTTTCAT 443
QY 426 CTTCCGCGCATCTGATGACAGCTGGAATCTGGAATCTGGAATCTGTTGTGCTGCTGAA 485
DB 444 CTTCCGCGCATCTGATGACAGCTGGAATCTGGAATCTGGAATCTGTTGTGCTGCTGAA 503
QY 486 TAACTTTCTATCCAGAGAGGCAAGGTACAGTGGAAAGTGGATAACGCCCTCCAAATCGGG 545
DB 504 TAACTTTCTATCCAGAGAGGCAAGGTACAGTGGAAAGTGGATAACGCCCTCCAAATCGGG 563
QY 546 TAACTTTCTATCCAGAGAGGCAAGGTACAGTGGAAAGTGGATAACGCCCTCCAAATCGGG 605
DB 564 TAACTTTCTATCCAGAGAGGCAAGGTACAGTGGAAAGTGGATAACGCCCTCCAAATCGGG 623
QY 606 CACCTTGACCTGAGCAAGGAGCTACGAGAAACCAAGTCTAGCCCTGCGAAGTCAAC 665
DB 624 CACCTTGACCTGAGCAAGGAGCTACGAGAAACCAAGTCTAGCCCTGCGAAGTCAAC 683
QY 666 CCATCAGGCGCTGAGCTCGCCCGTCAAAAGAGCTTTCAACAGGGGAGAGTGT 718
DB 684 CCATCAGGCGCTGAGCTCGCCCGTCAAAAGAGCTTTCAACAGGGGAGAGTGT 736

RESULT 13
US-09-859-053-37
; Sequence 37, Application US/09859053
; Patent No. US20020102658A1
; GENERAL INFORMATION:
; APPLICANT: Tsuji, Takashi
; APPLICANT: Tezuka, Katsunari
; APPLICANT: Hori, No. US20020102658A1uaki
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODY AGAINST A
; TITLE OF INVENTION: COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE AILIM AND
; TITLE OF INVENTION: PHARMACEUTICAL USE THEREOF
; FILE REFERENCE: 06501-079001
; CURRENT FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: US/09/859,053
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: JP 2001-99508
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 970
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (1)...(32)
; NAME/KEY: CDS
; LOCATION: (33)...(740)
; NAME/KEY: 3'UTR
; LOCATION: (744)...(970)
; NAME/KEY: sig peptide
; LOCATION: (33)...(92)
US-09-859-053-37

Query Match 65.4%; Score 471; DB 10; Length 970;

Best Local Similarity 81.1%; Pred. No. 5.3e-142;
Matches 578; Conservative 0; Mismatches 120; Indels 15; Gaps 2;
QY 9 CCTCTGTCAGCTCCTCGGGCTCTATTGCTCTGCGTCCCGGGTCCAGTGGGGAAGTTGT 68
DB 41 CCCAGGCGAGCT 100
QY 69 GATGACTCAGCTCCTCACTGTCCCTTCCCATACACCTGAGAGAGCGGCTCTCATCTCTCT 128
DB 101 GTTGACGCGAGTCTCCAGGCACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 160
QY 129 TAGGCTAGTCAAGCCTTAAACACAGATTAAGAGACACTTCTCTGAGTTGGTATCAGCA 188
DB 161 CAGGCGCAGT-----CAGAGTATTAGCAGCAGCTCTTCTAGCCTGGTACCAGCA 208
QY 189 GAAGCCAGGCAACCTCCAAAGGCTCCTGATTTTATAGGTTTCTAAACCGGAGCTCTCGGGT 248
DB 209 GAAACCTGGCCAGGCTCCCGGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 268
QY 249 CCCAGACAGATTACGGGAGTGGGGCAGGACAGATTTTCACTGAAATCAGCGCAGT 308
DB 269 CCCAGACAGATTACGGGAGTGGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACT 328
QY 309 GGAGGCTGAAGATGTTGGGGTTTATTTCTGCGGCAAGGTACAGGAGCTCCT---CCCAC 365
DB 329 GGAGGCTGAAGATTTTGGCAGTGTATTCTGTCAGCAGTTTGGTAGCTCACTATGTGCAG 388
QY 366 TTTCCGCGGAGGACCAAGGTGGAATCAAAAGTACCGTGGCTGGCTGCACCATCTCTCTTCAT 425
DB 389 TTTTGGCCAGGGGACCAAGCTGGAGATCAACGAACTGTGGCTGGCACCCTCTCTCTTCAT 448
QY 426 CTTCCGCGCATCTGATGACAGTTGAAATCTGGAATCTGCTCTGTTGTGCTGCTGCTGAA 485
DB 449 CTTCCGCGCATCTGATGACAGTTGAAATCTGGAATCTGCTCTGTTGTGCTGCTGCTGAA 508
QY 486 TAACTTTCTATCCAGAGAGGCAAGGTACAGTGGAAAGTGGATAACGCCCTCCAAATCGGG 545
DB 509 TAACTTTCTATCCAGAGAGGCAAGGTACAGTGGAAAGTGGATAACGCCCTCCAAATCGGG 568
QY 546 TAACTTTCTATCCAGAGAGGCAAGGTACAGTGGAAAGTGGATAACGCCCTCCAAATCGGG 605
DB 569 TAACTTTCTATCCAGAGAGGCAAGGTACAGTGGAAAGTGGATAACGCCCTCCAAATCGGG 628
QY 606 CACCTTGACCTGAGCAAGGAGCTACGAGAAACCAAGTCTAGCCCTGCGAAGTCAAC 665
DB 629 CACCTTGACCTGAGCAAGGAGCTACGAGAAACCAAGTCTAGCCCTGCGAAGTCAAC 688
QY 666 CCATCAGGCGCTGAGCTCGCCCGTCAAAAGAGCTTTCAACAGGGGAGAGTGT 718
DB 689 CCATCAGGCGCTGAGCTCGCCCGTCAAAAGAGCTTTCAACAGGGGAGAGTGT 741

RESULT 14
US-09-740-002-16
; Sequence 16, Application US/09740002
; Patent No. US20020001798A1
; GENERAL INFORMATION:
; APPLICANT: BRAMS, PETER
; APPLICANT: MORROW, PHILLIP
; TITLE OF INVENTION: NEUTRALIZING HIGH AFFINITY HUMAN MONOCLONAL ANTIBODIES
; TITLE OF INVENTION: SPECIFIC TO RSV F-PROTEIN AND METHODS FOR THEIR
; TITLE OF INVENTION: MANUFACTURE AND THERAPEUTIC USE THEREOF
; FILE REFERENCE: 037003-0275759
; CURRENT APPLICATION NUMBER: US/09/740,002
; CURRENT FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 09/335,697
; PRIOR FILING DATE: 1999-06-18
; PRIOR APPLICATION NUMBER: 08/488,376
; PRIOR FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 705

GenCore version 5.1.3
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Run on: April 6, 2003, 01:56:24 ; Search time 145.88 Seconds
(without alignments)
8604.535 Million cell updates/sec

Title: US-09-758-173-3

Perfect score: 1431

Sequence: 1 ATGAACACCTGTGTTCTT.....CCCTGTCCTCGGTAATGA 1431

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 43858390 residues

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq*
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- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1431	100.0	1431	9	US-09-948-429B-3
3	1429.4	99.9	1431	9	US-10-073-138-2
4	1315.8	91.9	1431	9	US-10-124-905-11
5	1315.8	91.9	1431	9	US-09-948-429B-11
6	1314.2	91.8	1431	9	US-10-073-138-6
7	1123.6	78.5	1428	10	US-09-740-002-17
8	1117.2	78.1	1437	9	US-10-124-905-7
9	1117.2	78.1	1437	9	US-09-948-429B-7
10	1117.2	78.1	1437	9	US-10-073-138-4
11	1113.4	77.8	1798	9	US-09-925-299-230
12	1113.4	77.8	1798	10	US-09-925-299-230
13	1112.4	77.7	1428	10	US-09-740-002-19
14	1102	77.0	1599	10	US-09-954-456-789
15	1102	77.0	1599	10	US-09-954-456-789
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17	1100.8	76.9	1427	12	US-10-066-895-20
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19	1098.8	76.8	1449	10	US-09-747-669-2

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20	1097.6	75.7	1427	12	US-10-066-895-27	Sequence 27, Appl
21	1092.8	76.4	6284	12	US-10-066-895-14	Sequence 14, Appl
22	1092.2	76.3	1617	10	US-09-822-830A-571	Sequence 571, Appl
23	1090.6	76.2	8120	9	US-09-726-258-68	Sequence 68, Appl
24	1089.2	76.1	1356	10	US-09-822-698A-27	Sequence 27, Appl
25	1088.8	76.1	1539	10	US-09-822-849A-87	Sequence 87, Appl
26	1087.6	76.0	1615	10	US-09-822-849A-111	Sequence 111, Appl
27	1087	75.0	9209	9	US-09-911-703-3	Sequence 3, Appl
28	1087	75.0	9209	9	US-09-905-928-2	Sequence 2, Appl
29	1087	76.0	18986	9	US-10-109-853-2	Sequence 2, Appl
30	1086.8	75.9	1598	10	US-09-822-849A-103	Sequence 103, Appl
31	1086	75.9	1605	10	US-09-822-830A-501	Sequence 501, Appl
32	1083.8	75.7	9182	9	US-09-927-122-41	Sequence 41, Appl
33	1081	75.5	1404	10	US-09-825-012-10	Sequence 10, Appl
34	1078.4	75.4	2196	10	US-09-825-012-44	Sequence 44, Appl
35	1078.4	75.4	2196	10	US-09-825-012-45	Sequence 45, Appl
36	1078.4	75.4	2226	10	US-09-825-012-53	Sequence 53, Appl
37	1078.4	75.4	2226	10	US-09-825-012-54	Sequence 54, Appl
38	1078	75.3	1347	10	US-09-736-371B-20	Sequence 20, Appl
39	1077.8	75.3	1565	10	US-09-822-849A-104	Sequence 104, Appl
40	1072.8	75.0	2190	10	US-09-825-012-50	Sequence 50, Appl
41	1072.8	75.0	2190	10	US-09-825-012-51	Sequence 51, Appl
42	1072.8	75.0	2220	10	US-09-825-012-59	Sequence 59, Appl
43	1072.8	75.0	2220	10	US-09-825-012-60	Sequence 60, Appl
44	1072	74.9	2193	10	US-09-825-012-47	Sequence 47, Appl
45	1072	74.9	2193	10	US-09-825-012-48	Sequence 48, Appl

ALIGNMENTS

RESULT 1

US-10-124-905-3

; Sequence 3, Application US/10124905

; Patent No. US20020166136A1

; GENERAL INFORMATION:

; APPLICANT: Anderson, Darrell R.

; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC

; TO HUMAN B7.1 AND/OR B7.2 PRMARTIZED FORMS THEREOF, AND USE THEREOF AS

; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS

; IMMUNOSUPPRESSANTS"

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

; STREET: 699 Prince Street

; CITY: Alexandria

; STATE: VA

; COUNTRY: USA

; ZIP: 22314

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/124,905

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/383,916

; FILING DATE:

; APPLICATION NUMBER: US 08/487,550

; FILING DATE: 07-JUN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Teskin, Robin L.

; REGISTRATION NUMBER: 35,030

; REFERENCE/DOCKET NUMBER: 012712-131

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 703-836-6620

; TELEFAX: 703-836-2021

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1431 base pairs

NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1431 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1431
NAME/KEY: mat_peptide
LOCATION: 1..1431

US-09-948-429B-3

Query Match 100.0%; Score 1431; DB 9; Length 1431;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1431; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 ATGAACACACCTGTGGTCTTCTCTCTCTGTGGCAGTCCCAAGATGGTCTGTGCCAG 60

QY 61 GTGAAGCTGCAGCAGTGGGGGAGGACTTCTGCAGCCTTCGGAGACCTGTCCCGACC 120
DB 61 GTGAAGCTGCAGCAGTGGGGGAGGACTTCTGCAGCCTTCGGAGACCTGTCCCGACC 120

QY 121 TGCCTGTCTCTGTGGTCCATCAGCGGTTACTACTACTGACCTGTGATCCGCAGACC 180
DB 121 TGCCTGTCTCTGTGGTCCATCAGCGGTTACTACTACTGACCTGTGATCCGCAGACC 180

QY 181 CCAGGAGGGAGCTGGAGTGATTTGGCCATATTTATGGTAATGTGGACCAACCACTAC 240
DB 181 CCAGGAGGGAGCTGGAGTGATTTGGCCATATTTATGGTAATGTGGACCAACCACTAC 240

QY 241 AATCCCTCCCTCAAGTTCGAGTCAGCATTTCAAAGACAGCTCCAGAACAGTTCTTC 300
DB 241 AATCCCTCCCTCAAGTTCGAGTCAGCATTTCAAAGACAGCTCCAGAACAGTTCTTC 300

QY 301 CTGAACCTTGAATTTCTGACCGCGACACGCGCGCTCTATTACTGTGCGAGAGGCCCT 360
DB 301 CTGAACCTTGAATTTCTGACCGCGACACGCGCGCTCTATTACTGTGCGAGAGGCCCT 360

QY 361 CGCCCTGATTGCACAAACATTTGTTATGGCGGTGGTTCGATGTCTGGGGCCCGGGAGAC 420
DB 361 CGCCCTGATTGCACAAACATTTGTTATGGCGGTGGTTCGATGTCTGGGGCCCGGGAGAC 420

QY 421 CTGTGTCACCGTCTCTCAGCTAGCACCAAGGCGCCATCGGTCTTCCCGCTGGCACCTCC 480
DB 421 CTGTGTCACCGTCTCTCAGCTAGCACCAAGGCGCCATCGGTCTTCCCGCTGGCACCTCC 480

QY 481 TCCAAGAGCACCTCTGGGGGACACGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCC 540
DB 481 TCCAAGAGCACCTCTGGGGGACACGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCC 540

QY 541 GAACCGGTGACGGTGTGTGGAATCAGGGCCCTGACAGCGCCGTGCACACCTTCCCG 600
DB 541 GAACCGGTGACGGTGTGTGGAATCAGGGCCCTGACAGCGCCGTGCACACCTTCCCG 600

QY 601 GCTGTCTACAGTCTCTCAGGACTTACTTCCCTAGCAGCGTGTGACGTGCGCTCCAGC 660
DB 601 GCTGTCTACAGTCTCTCAGGACTTACTTCCCTAGCAGCGTGTGACGTGCGCTCCAGC 660

QY 661 AGCTTGGGACCCAGACCTACATCTGCAACGTGAATCACAAGCCAGCAACCAAGGTG 720
DB 661 AGCTTGGGACCCAGACCTACATCTGCAACGTGAATCACAAGCCAGCAACCAAGGTG 720
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QY 721 GACAAGAAAGCAGAGCCCAAAATCTTGTGACAAAACCTCACATGCCCCCGTCCAGCA 780
DB 721 GACAAGAAAGCAGAGCCCAAAATCTTGTGACAAAACCTCACATGCCCCCGTCCAGCA 780

QY 781 CCTGAATCTCTGGGGGACCGTCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 840
DB 781 CCTGAATCTCTGGGGGACCGTCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 840

QY 841 ATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGGTGGAGCGTGAGCGACCAAGACCT 900
DB 841 ATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGGTGGAGCGTGAGCGACCAAGACCT 900

QY 901 GAGGTCAAGTTCAACTGTGACGCGGTGAGAGTGCATAATGCCAAGACAAAGCGG 960
DB 901 GAGGTCAAGTTCAACTGTGACGCGGTGAGAGTGCATAATGCCAAGACAAAGCGG 960

QY 961 CGGAGAGGAGCAGTACACAGCAGCTACCGTGTGTGAGTCCCTCACCGTCTGTGACCAAG 1020
DB 961 CGGAGAGGAGCAGTACACAGCAGCTACCGTGTGTGAGTCCCTCACCGTCTGTGACCAAG 1020

QY 1021 GACTGGCTGAAATGCAAGGAGTACAAGTGCAGAGTCTCCAAAGAGCCCTCCAGCCCCC 1080
DB 1021 GACTGGCTGAAATGCAAGGAGTACAAGTGCAGAGTCTCCAAAGAGCCCTCCAGCCCCC 1080

QY 1081 ATCAGAGAAAACCAATCTCCAAAGCCAAAGGGCAGCCCCGAGAACCAAGTGTACACCTG 1140
DB 1081 ATCAGAGAAAACCAATCTCCAAAGCCAAAGGGCAGCCCCGAGAACCAAGTGTACACCTG 1140

QY 1141 CCCCATCTCCGGGATGAGCTGACCAAGAACCAAGGTGAGCTGAGCTGTGCTGCTGCTGCTG 1200
DB 1141 CCCCATCTCCGGGATGAGCTGACCAAGAACCAAGGTGAGCTGAGCTGTGCTGCTGCTGCTG 1200

QY 1201 TTCTATCCAGCGACATCGCGTGGAGTGGGAGAGCAATGGGAGCGCCGAGAACCAACTAC 1260
DB 1201 TTCTATCCAGCGACATCGCGTGGAGTGGGAGAGCAATGGGAGCGCCGAGAACCAACTAC 1260

QY 1261 AAGACACGCTCCCGTGTGAGTCCGACGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1320
DB 1261 AAGACACGCTCCCGTGTGAGTCCGACGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1320

QY 1321 GTGACAAAGAGCAGTGGCAGCAGGGGAAACGTCTTCTCATGCTCGTGTGATGAGGCT 1380
DB 1321 GTGACAAAGAGCAGTGGCAGCAGGGGAAACGTCTTCTCATGCTCGTGTGATGAGGCT 1380

QY 1381 CTGCACAAACCACTACACGAGAGAGCTCTCCCTGTCTCCGGGTAAATGA 1431
DB 1381 CTGCACAAACCACTACACGAGAGAGCTCTCCCTGTCTCCGGGTAAATGA 1431
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RESULT 3

US-10-073-138-2
Sequence 2, Application US/10073138
Publication No. US20020187146A1
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
HANNA, Nabil
BRAMS, Peter

TITLE OF INVENTION: IDENTIFICATION OF UNIQUE BINDING
INTERACTIONS BETWEEN CERTAIN ANTIBODIES AND THE HUMAN B7
AND B7.2 CO-STIMULATORY ANTIGENS

NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/124,905
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 1431 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1431
; NAME/KEY: mat peptide
; LOCATION: 1..1431
; US-10-124-905-11

Query Match 91.9%; Score 1315.8; DB 9; Length 1431;
Best Local Similarity 95.0%; Pred. No. 0;
Matches 1359; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

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QY 1 ATGAAACACCTGTGGTCTCTCTCTGTGGAGCTCCAGATGGGTCTCTGCCAG 60
DB 1 ATGAAACACCTGTGGTCTCTCTCTGTGGAGCTCCAGATGGGTCTCTGCCAG 60

QY 61 GTGAAGCTGCAGAGTGGGGCGAAGGACTCTGCAGCTTCGGAGACCCTGTCCGGACC 120
DB 61 GTGAGCTGCAGAGTGGGGCCAGGACTGTGAAGCCTTCGGAGACCCTGTCCCTCACC 120

QY 121 TGCCTTCTCTGTGGCTCCATCAGCGGTACTACTACTGGACCTGGATCCGCCAGACC 180
DB 121 TGCCTGTCTGTGGCTCCATCAGCGGTGTTATGGCTGGGCTGGATCCGCCAGCCC 180

QY 181 CCAGGAGGGGACTGGAGTGGCCATATTTATGGTAATGTGGGACCAACCACTAC 240
DB 181 CCAGGAGGGGCTGGAGTGGGAGTTCTATAGTAGTAGTGGGAAACACCTACTAC 240

QY 241 AATCCCTCCCTCAAGAGTGCAGTCCACATTTCAAAGACACGTCCTCAAGAACAGTTCTTC 300
DB 241 AACCCCTCCCTCAAGAGTCAAGTCCACATTTCAACAGACAGCTCAAGAACAGTTCTTC 300

QY 301 CTGAACCTGAATCTGTGACCGACCGGACACCGCCGCTCTATTACTGTGGAGAGGCGCT 360
DB 301 CTGAAGCTGAATCTATGACCGCGCGGACACCGCCGCTGTATTACTGTGTGAGAGATCGT 360

QY 361 CGCCCTGATGCAACCAATTTGTTATGGCGGTGGGTGATGTCTGGGGCCCGGGAGAC 420
DB 361 CTTTCTTTCAGTGTGGAATGGTTTACAACAACTGGTTCGATGTCTGGGGCCCGGGAGTC 420

QY 421 CTGCTACCGGTCTCTCAGCTAGCACCAAGGGCCCATCGGTCTTCCCTGGACACCTCC 480
DB 421 CTGCTACCGGTCTCTCAGCTAGCACCAAGGGCCCATCGGTCTTCCCTGGACACCTCC 480
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QY 481 TCCAAGAGCACCTCTGGGGGCACAGCGCCCTCTGGGCTGCCTGGTCAAGAGCTACTTCCCC 540
DB 481 TCCAAGAGCACCTCTGGGGGCACAGCGCCCTCTGGGCTGCCTGGTCAAGAGCTACTTCCCC 540

QY 541 GAACCGGTGACGGTGTCTGTGAACTCAGGCGCCCTGTGACAGCGGCTGCAACACCTTCCG 600
DB 541 GAACCGGTGACGGTGTCTGTGAACTCAGGCGCCCTGTGACAGCGGCTGCAACACCTTCCG 600

QY 601 GCTGTCTACAGTCTCTCAGGACTCTACTCCCTCAGCAGCGTGGTACCGTGCCTCCAG 660
DB 601 GCTGTCTACAGTCTCTCAGGACTCTACTCCCTCAGCAGCGTGGTACCGTGCCTCCAG 660

QY 661 AGCTTGGGCACCCAGACCTACATCTGCAACGTGAATCAAGCCCGCAGCAACACCAAGGTG 720
DB 661 AGCTTGGGCACCCAGACCTACATCTGCAACGTGAATCAAGCCCGCAGCAACACCAAGGTG 720

QY 721 GACAAAGAGCAGAGCCCAATCTTGTGACAAATCTACATGCCCCCAAAACCCCAAGGACCTC 780
DB 721 GACAAAGAGCAGAGCCCAATCTTGTGACAAATCTACATGCCCCCAAAACCCCAAGGACCTC 780

QY 781 CCTGAACTCTCTGGGGGACCGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 840
DB 781 CCTGAACTCTCTGGGGGACCGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 840

QY 841 ATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGAGCTGAGCCAGACGACCT 900
DB 841 ATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGAGCTGAGCCAGACGACCT 900

QY 901 GAGTCAAGTTCAACTGCTGAGCGGCTGGAGTGCATATATGCAAGACAAAGCG 960
DB 901 GAGTCAAGTTCAACTGCTGAGCGGCTGGAGTGCATATATGCAAGACAAAGCG 960

QY 961 CGGAGGAGCAGTACACAGACGCTACCGTGTGCTGAGCGTCTCACCGTCTGACACG 1020
DB 961 CGGAGGAGCAGTACACAGACGCTACCGTGTGCTGAGCGTCTCACCGTCTGACACG 1020

QY 1021 GACTGGCTGAATGGCAAGAGTCAAGTGAAGTCTCCAAAGAGCCCTCCAGCCCCC 1080
DB 1021 GACTGGCTGAATGGCAAGAGTCAAGTGAAGTCTCCAAAGAGCCCTCCAGCCCCC 1080

QY 1081 ATCAGAAAACCATCTCAAAGCAAAGGGCAGCCCGAGAACCAAGGTGTACACCTG 1140
DB 1081 ATCAGAAAACCATCTCAAAGCAAAGGGCAGCCCGAGAACCAAGGTGTACACCTG 1140

QY 1141 CCCCATCCCGGATGAGTGCACCAAGAACAGGTGACGCTGACCTGCTGCTCAAGGC 1200
DB 1141 CCCCATCCCGGATGAGTGCACCAAGAACAGGTGACGCTGACCTGCTGCTCAAGGC 1200

QY 1201 TTCTATCCAGCGACATCGCGTGGAGTGGAGAGCAATGGCAGCGGAGAACAACTAC 1260
DB 1201 TTCTATCCAGCGACATCGCGTGGAGTGGAGAGCAATGGCAGCGGAGAACAACTAC 1260

QY 1261 AAGACACGCTCCCGTGTGGACTCCGAGGCTCTCTTCTCTCTCTCTCTCTCTCTCTCT 1320
DB 1261 AAGACACGCTCCCGTGTGGACTCCGAGGCTCTCTTCTCTCTCTCTCTCTCTCTCTCT 1320

QY 1321 GTGACAAAGAGCAGTGCAGCGGGAACGTCTTCTCATGCTCGGTGATCATGAGCT 1380
DB 1321 GTGACAAAGAGCAGTGCAGCGGGAACGTCTTCTCATGCTCGGTGATCATGAGCT 1380

QY 1381 CTGCACAACCACTACACGCAAGAGGCTCTCCCTGTCTCCGGGTAAATGA 1431
DB 1381 CTGCACAACCACTACACGCAAGAGGCTCTCCCTGTCTCCGGGTAAATGA 1431
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RESULT 5
US-09-948-429B-11
; Sequence 11, Application US/09948429B
; Patent No. US20020177689A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC

QY 361 TTCGAGGAGGACCGGCTGACCGCTCTAGGTCAAGCCCAAGGCTGCCCTCGGTCACT 420
DB 355 TTCGAGGAGGACCGGCTGACCGCTCTAGGTCAAGCCCAAGGCTGCCCTCGGTCACT 414
QY 421 CTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCAACAAGGCCACACACTGGTGTGTCTCATA 480
DB 415 CTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCCCAACAAGGCCACACACTGGTGTGTCTCATA 474
QY 481 AGTGACTTCTACCCGGAGCCGTGACAGTGGCTGGAAGGACAGATAGCAGCCCGTCAAG 540
DB 475 AGTGACTTCTACCCGGAGCCGTGACAGTGGCTGGAAGGACAGATAGCAGCCCGTCAAG 534
QY 541 GCGGGAGTGGAGACCAACACCCCTCCAAACAAAGCAACAAGTACGCGGCCAGCAGC 600
DB 535 GCGGGAGTGGAGACCAACACCCCTCCAAACAAAGTACGCGGCCAGCAGCAGC 594
QY 601 TACCTGAGCTGAGCGCTGAGCAGTGGAGTCCCAAGAGCTTACAGTGCAGGTCAAG 660
DB 595 TACCTGAGCTGAGCGCTGAGCAGTGGAGTCCCAAGAGCTTACAGTGCAGGTCAAG 654
QY 661 CATGAAGGAGCACCGTGGAGAGACAGTGGCCCTTACAGAAATGTTTCATGA 711
DB 655 CATGAAGGAGCACCGTGGAGAGACAGTGGCCCTTACAGAAATGTTTCATGA 705

RESULT 9

US-10-001-857-108
; Sequence 108, Application US/10001857
; Publication No. US20020183500A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto
; APPLICANT: Recipon, Hervé
; APPLICANT: Chen, Sei-Yu
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes and Proteins
; FILE REFERENCE: DEX-0273
; CURRENT APPLICATION NUMBER: US/10/001,857
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/252,054
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 208
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 108
; LENGTH: 2112
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc feature
; LOCATION: (2005)..(2005)
; OTHER INFORMATION: a, c, g or t

Query Match 75.2%; Score 534.8; DB 9; Length 2112;
Best Local Similarity 89.4%; Pred. No. 1.2e-157;
Matches 601; Conservative 0; Mismatches 62; Indels 9; Gaps 2;

QY 44 TCCAGGTGACAGTGTAGTCTGTCTGACACAGCCCGCTCAGTGTCTGGGGCCCCAG 103
DB 794 TCCTAGGGCTCTGGGCCAGTCTGTGTGCTGACGACGCCCTCAGTGTCTGGGGCCCCAG 853
QY 104 GGCAGAGGTCAACATCTCTGTGACCTGGGAGCACCTCCAACTTGGAG-----GTTATG 157
DB 854 GGCAGAGGTCAACATCTCTGTGACCTGGGAGCACCTCCAACTTGGAGTTATGACT 913
QY 158 ATCTACATTTGGTACACAGCTCCAGGAAGCGGCCCAAACTCTCTCATCTATGACATTA 217
DB 914 ATGTACACTGGTACACAGCTTCCAGGAACAGCCCCCAAACTCATGATTTATGAGGTG 973
QY 218 ACAAGGACCCCTAGGAATTTCTGACCGATTTCTCTGGCTCCAGTCTGGTACCGCGGCT 277
DB 974 CTAAGCGACCCCTAGGGGTTTCTGATCGCTTCTCTGGCTCCAGTCTGGCAACACGCGCT 1033

QY 278 CCCTGGCCATCACTGGGTCCAGACTGAGGATGAGGCTGATTATTACTGCCAGTCTCTATG 337
DB 1034 CCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCATATG 1093
QY 338 ACAGCAGCCTGATGCTCAGGTATTTCGGAGGAGGACCGGCTGACCGTCTTAGGTTCAGC 397
DB 1094 CAGGAGC---TACACTTGGGTGTTCCGGCGAGGGACCAAGCTGACCGTCTTAGGTTCAGC 1150
QY 398 CAAGGCTGCCCTCCGCTCGGTCACTCTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCCCAACA 457
DB 1151 CAAGGCTGCCCTCCGCTCGGTCACTCTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCCCAACA 1210
QY 458 AGGCCACACTGTGTGTCTCATAAGTGACTTCTACCCGGAGCCGTGACAGTGGCTTGA 517
DB 1211 AGGCCACACTGTGTGTCTCATAAGTGACTTCTACCCGGAGCCGTGACAGTGGCTTGA 1270
QY 518 AGGCAGATAGCAGCCCGCTCAGGCGGAGTGGAGACCAACACCCCTCCAAACAAAGCA 577
DB 1271 AGGCAGATAGCAGCCCGCTCAGGCGGAGTGGAGACCAACACCCCTCCAAACAAAGCA 1330
QY 578 ACAACAAGTACGCGGCAGCAGCTACCTGAGCCTGACGCTGAGCAGTGGAGTCCACACA 637
DB 1331 ACNACAAGTACGCGGCAGCAGCTACCTGAGCCTGAGCAGTGGAGTCCACACA 1390
QY 638 GAAGCTACAGCTGCCAGGTCAAGCATGAAGGGAGCACCGTGGAGAGACAGTGGCCCTTA 697
DB 1391 AAAGCTACAGCTGCCAGGTCAAGCATGAAGGGAGCACCGTGGAGAGACAGTGGCCCTTA 1450
QY 698 CAGAATGTTTCAT 709
DB 1451 CAGAATGTTTCAT 1462

RESULT 10

US-09-954-456-788
; Sequence 788, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using C
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 788
; LENGTH: 915
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-788

Query Match	74.9%;	Score 532.2;	DB 10;	Length 915;
Best Local Similarity	88.8%;	Pred. No. 6.4e-157;		
Matches 589; Conservative	0;	Mismatches 68;	Indels	6; Gaps
QY	47	CAGGTGCACGATGTGACTGTCTCTGACACAGCGCGCCTCAGTGTCTGGGGCCCAAGGC	106	
DB	158	CAGGGTCTTGGGCCAGTCTGTGTGACTCAGGCACCTCAGCGTCTGGGACCCCCGGGC	217	
QY	107	AGAAGGTACCATCTCTGTGCACATGGGAGCACCTCCAACATTTGAGGTTATGATCTACATT	166	
DB	218	AGAGGTACCACTCTTTGTCGAGCCGCTCCAACGTCGAGTATATGTTAACT	277	
QY	167	GGTACAGAGCTCCCAAGAAAGCGCCCCAAAATCTCTATCTATGACATTTAAACAAGCAG	226	
DB	278	GGTACAGAGCTCCCAAGAAAGCGCCCCAAAATCTCTATCTATGTAATAATCAGCGGC	337	
QY	227	CCTCAGGAATTTCTGACCGGATTTCTTGGGCTCCAAGTCTGTATCGGCGGCTCCTTGCCA	286	
DB	338	CCTCAGGGGTCCTTGACCGGATTTCTTGGGCTCCAAGTCTGGCACTCAGGCTCCTTGCCA	397	
QY	287	TCACTGGGCTCCAGACTTGAGGATGAGGCTGATTTATTACTGCCAGTCTCTATGACAGCAGCC	346	
DB	398	TCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTTATTACTGTGCAAATATGGGATGACAG--	455	
QY	347	TGAATGCTCAGGTATTTCGAGGAGGAGACCGCGGTGACCGGCTCTAGTCTAGCCCAAGGCTG	406	
DB	456	----TACTGTGGTCTTCGGCGGAGGAGACCAAGCTGACCGTCCCTGGTCAGCCCCAAGGCTG	511	
QY	407	CCCCCTCGGTCACTCTGTTCGCCGCCCTCTCTCAGGAGCTTCAAGCCAAACAGGCCACAC	466	
DB	512	CCCCCTCGGTCACTCTGTTCGCCGCCCTCTCTCAGGAGCTTCAAGCCAAACAGGCCACAC	571	
QY	467	TGGTGTGCTCTATAAGTGACTTCTACCCGGGAGCGGTGACAGTGGCTCTGGAAGGCAGATA	526	
DB	572	TGGTGTGCTCATAGTGACTTCTACCCGGGAGCGGTGACAGTGGCTCTGGAAGGCAGATA	631	
QY	527	GCAGCCCCGTCAAGGGGGAGTGGAGACCAACCAACCCCTCCAAACAAAGCAACAAAGT	586	
DB	632	GCAGCCCCGTCAAGGGGGAGTGGAGACCAACCAACCCCTCCAAACAAAGCAACAAAGT	691	
QY	587	ACCGGGCCAGCCTACCTGAGCCTGACCGCTGAGCAGTGGAGTCCCAAGAGCTACA	646	
DB	692	ACCGGGCCAGCCTATCTGAGGCTGACCGCTGAGCAGTGGAGTCCCAAGAGCTACA	751	
QY	647	GCTGCCAGGTACGCATGAAGGAGACCGTGGAGGAAGACAGTGGGCCCTCAGAGATGTT	706	
DB	752	GCTGCCAGGTACGCATGAAGGAGACCGTGGAGGAAGACAGTGGGCCCTCAGAGATGTT	811	
QY	707	CAT 709		
DB	812	CAT 814		

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RESULT 11
US-09-880-107-3743
; Sequence 3743, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3743

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; LENGTH: 915
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 X57809
US-09-880-107-3743

Query Match          74.9%; Score 532.2; DB 10; Length 915;
Best Local Similarity 88.8%; Pred. No. 6.4e-157;
Matches 589; Conservative 0; Mismatches 68; Indels 6; Gaps

Qy   47 CAGGTGCACGATGAGTCTGTCTCTGACACAGCGGGCCCTCAGTGTCCTGGGGCCCCCAGGGC 106
      |||||
Db    158 CAGGGTCTCTGGGCCCACTCTGTCTACTCAGCCACCCTCAGCGTCTGGGACCCCGCGGC 217
      |||||

Qy   107 AGAAGGTACCATCTCTGTCACCTGGGAGCACCTCCAAACATTGGAGGTATGATCTACATT 166
      |||||
Db    218 AGAGGTACCATCTCTGTGTTCTGGAAAGCCGCTCCAACGTCGGAAGTAATAATGTTAACT 277
      |||||

Qy   167 GGTAACAGCAGCTCCCAGGAACCGCCCCAAAACCTCTCATCTATGACATTAACAACGCGAC 226
      |||||
Db    278 GGTACCAGCAGCTCCCAGGAACGGCCCCAAAACCTCTCATCTATGTAATATCAGCGGC 337
      |||||

Qy   227 CCTCAGAAATTTCTGACCGAATTTCTTGGCTCAAAGTCTTGGTATCCGCGGGCTCTCCTGGCCA 286
      |||||
Db    338 CCTCAGGGGTCCTCTGACCGAATTTCTTGGCTCCAAGTCTGGCACTCAGCGCTCCTCTGGCCA 397
      |||||

Qy   287 TCAGTGGGCTCCAGACTGAGGATGAGGCTGATTATTACTGCCAGTCTTATGACAGCAGCC 346
      |||||
Db    398 TCAGTGGGCTCCAGCTTGAGGATGAGGCTGATTATTACTGTGCNAATGGGATGACAG-- 455
      |||||

Qy   347 TGAATGCTCAGGATATTCGGAGGAGGACCCGGCTGACCGTCTTAGTGTACGCCAACAGGCTG 406
      |||||
Db    456 ----TACTGTGGTCTTCGGCGGAGGACCAAAGCTGACCGTCCCTGTGTAGCCCCAAGGCTG 511
      |||||

Qy   407 CCCCCCTCGGTCACTCTGTTTCCCGCCCTCTCTGAGAGGCTTCAAGCCACACAGGCCACAC 466
      |||||
Db    512 CCCCCCTCGGTCACTCTGTTTCCCGCCCTCTCTGAGAGGCTTCAAGCCACAAAGGCCACAC 571
      |||||

Qy   467 TGGTGTGCTCATAAAGTGACTTCTTACC CGGAGCCGTGACAGTGGCTCTGGAAGGCAGATA 526
      |||||
Db    572 TGGTGTGCTCATAAAGTACTTCTTACC CGGAGCCGTGACAGTGGCTCTGGAAGGCAGATA 631
      |||||

Qy   527 GCAGCCCCGTCAAGCGGGAGTGGAGACCAACACCCCTCCAAACAAAGCAACAAACAGT 586
      |||||
Db    632 GCAGCCCCGTCAAGCGGGAGTGGAGACCAACACACCCCTCCAAACAAAGCAACAAACAGT 691
      |||||

Qy   587 ACGGGGCCAGAGGTACCTGAGGCTGACGGCTGAGCAGTGGAAAGTCCCAACAGAGTACA 646
      |||||
Db    692 ACGGGCCAGCAGCTATCTGAGCCTGACGCTGAGCAGTGGAAAGTCCCAACAGAGTACA 751
      |||||

Qy   647 GCTGCCAGGTACGCGATGAAGGAGCACCCTGGAGAAGACAGTGGGCCCTTACAGAAATGTT 706
      |||||
Db    752 GCTGCCAGGTCAAGCATGAAGGAGCACCCTGGAGAAAGACAGTGGGCCCTTACAGAAATGTT 811
      |||||

Qy   707 CAT 709
Db    812 CAT 814
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RESULT 12
US-09-852-797-47
; Sequence 47, Application US/09852797
; Patent No. US20020172994A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: PZ003P2
; CURRENT APPLICATION NUMBER: US/09/852,797
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/265,583
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 09/152,060

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; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: PCT/US98/04858
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/040,762
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/040,710
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/050,934
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,100
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,357
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,189
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/057,765
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,368
; PRIOR FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47
; LENGTH: 885
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-852-797-47

Query Match 68.1%; Score 484.2; DB 9; Length 885;
Best Local Similarity 80.9%; Pred. No. 6.8e-142;
Matches 564; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

QY 13 GCTCAGCTCTGGGGCTCTGCTGCTGCTCCAGGTGCAAGTGTGAGTCTGCTCTG 72
Db 30 GTTCTGCTCTCTGACCCCTCTCTGACCTCTGCTGCTGCTGCTGCTGCTGCTG 89
QY 73 ACACAGCGCGCTCAGTGTCTGGGGCCCCAGGGGCAAGGTTCACCATCTCTGTCACCTGGG 132
Db 90 ACTCAGCGCCCTCGGTGTCCAAGGACTTGAGACAGACCGCCACCTGACCTGACCGGG 149
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Db 570 ACCACACACCTTCAACCAAGCAACAAGTACCGGGCCAGCAGCTACCTGAGCTG 629

QY 613 ACGCTGAGCAGTGGAAAGTCCCAAGAGCTACAGCTGCCAGGTGCAAGGAGGAGC 672
Db 630 ACGCTGAGCAGTGGAAAGTCCCAAGAGCTACAGCTGCCAGGTGCAAGGAGGAGC 689
QY 673 ACGCTGAGGAGACAGTGGCCCTTACAGATGTTTCAT 709
Db 690 ACGTGGAGAAGACAGTGGCCCTTACAGATGTTTCAT 726

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; Sequence 47, Application US/09853161
; Patent No. US20020078756A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: P2003P3
; CURRENT APPLICATION NUMBER: US/09/853,161
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/265,583
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 09/152,060
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: PCT/US98/04858
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/040,762
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/040,710
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/050,934
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,100
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; PRIOR APPLICATION NUMBER: 60/048,357
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,189
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/057,765
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,368
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47
; LENGTH: 885
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-853-161-47

Query Match 68.1%; Score 484.2; DB 10; Length 885;
Best Local Similarity 80.9%; Pred. No. 6.8e-142;
Matches 564; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

QY 13 GCTCAGCTCTGGGGCTCTGCTGCTGCTCCAGGTGCAAGTGTGAGTCTGCTCTG 72
Db 30 GTTCTGCTCTCTGACCCCTCTCTGACCTCTGCTGCTGCTGCTGCTGCTGCTG 89
QY 73 ACACAGCGCGCTCAGTGTCTGGGGCCCCAGGGGCAAGGTTCACCATCTCTGTCACCTGGG 132
Db 90 ACTCAGCGCCCTCGGTGTCCAAGGACTTGAGACAGACCGCCACCTGACCTGACCGGG 149
QY 133 AGCACTCCAACTGAGGTATGATCTACATTTGTTGACAGAGTCCAGGAGCGCC 192
Db 150 AACAAACAATGTTGGCGACCAAGGAGCAGCTTGGCTGTCAGCAGAGCCACCT 209
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Db 210 CCCAACTCTGCTCTACAGGAATAAATACCGGCCCTCAGGGATCTCAGAGATTTATCT 269
QY 253 GGCTCCAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 312

D 270 GCATCCAGGTCAGAGGCCACATCTCTCCCTGACCATTTACTGGACTCCAGCCTGAGGACGAG 329
Q 313 GCTGATTATTACTGCGCAGTCCCTATGACAGAGCCTGAATGCTCAGGTATTTCGAGGAGGG 372
D 330 GCTGACTATTACTGCGCAGCATATGACAGAGCCTCGCAGTTTGGATGTTTCGGCGGAGGG 389
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D 390 ACCAAGCTGACCGTCTTAGGTGAGCCCAAGGGTGCCTCCCTCGGTCACTCTGTGTTCCCGCCC 449
Q 433 TCCTCTGAGGAGCTTCAAGCCCAAGAGCCACACTGGTGTGTCATAAGTGAAGTCTTCTAC 482
D 450 TCCTCTGAGGAGCTTCAAGCCCAAGAGCCACACTGGTGTGTCATAAGTGAAGTCTTCTAC 509
Q 493 CGGAGCGCTGACAGTGCCTTGGAGGCGAGTAGCAGCCCGCTCAAGCGGCGAGTGGAG 552
D 510 CGGAGCGCTGACAGTGCCTTGGAGGCGAGTAGCAGCCCGCTCAAGCGGCGAGTGGAG 569
Q 553 ACCACCACACCTTCCAAACAAAGCCACCAAGTACGCGGCCAGCAGCTACCTGAGCCTG 612
D 570 ACCACCACACCTTCCAAACAAAGCCACCAAGTACGCGGCCAGCAGCTACCTGAGCCTG 629
Q 613 AGCCTGAGCAGTGAAGTCCACAGAGCTACAGCTGCCAGGTACGCGATGAAGGAGC 672
D 630 AGCCTGAGCAGTGAAGTCCACAAAGCTACAGCTGCCAGGTACGCGATGAAGGAGC 689
Q 673 ACCGTGGAGAACAGTGGCCCTTACAGAAATGTTTCAT 709
D 690 ACCGTGGAGAACAGTGGCCCTTACAGAAATGTTTCAT 726

RESULT 14

US-09-852-659A-47
; Sequence 47, Application US/09852659A
; Patent No. US2002007787A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: PZ003P4
; CURRENT APPLICATION NUMBER: US/09/852,659A
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/265,583
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 09/152,060
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: PCT/US98/04858
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/040,762
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/040,710
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/050,934
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,100
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; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,189
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/057,765
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,368
; PRIOR FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47
; LENGTH: 885
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-852-659A-47

Query Match 68.1%; Score 484.2; DB 10; Length 885;
Best Local Similarity 80.9%; Pred. No. 6.8e-142;
Matches 564; Conservative 0; Mismatches 133; Indels 0; Gaps 0;
Q 13 GCTCAGCTCTCGGGCTCTTGCTCTCTTGCTCCAGGTGCACGATGTAGTCTGTCTCTG 72
D 30 GTTCTGCTCTCTGACCCCTCTCACTCACTCTGCTGAGTGTGCTGAGTGTGCTGAGGCTG 89
Q 73 ACACAGCGCGCTCAGTGTCTGGGGCCCGAGGCGAGAGGTCAACATCTCGTGCACCTGG 132
D 90 ACTCAGCCCCCTCGGTGTCAAGGACTTGAAGACAGCCGACACACTCACTCTGCACCGGG 149
Q 133 AGCACCTCCCAACATTTGAGGTTTATGATCTACATTTGGTACCAGCAGCTCCAGGAAACGGCC 192
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Q 193 CCNAACCTCTCATCTATGACATTAACAAGGACCCCTCAGGAATTTCTGACCGATTCTCT 252
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Q 373 ACCCGGTGACCGTCTTAGGTGAGCCCAAGGTGCGCCCTCGGTCACTCTGTCTCCCGCCC 432
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US-09-852-797-29
; Sequence 29, Application US/09852797
; Patent No. US20020172994A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: PZ003P2
; CURRENT APPLICATION NUMBER: US/09/852,797
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/265,583
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 09/152,060
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: PCT/US98/04858
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/040,762
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/040,710
; PRIOR FILING DATE: 1997-03-14

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; PRIOR APPLICATION NUMBER: 60/048,100
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; PRIOR APPLICATION NUMBER: 60/048,189
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; PRIOR APPLICATION NUMBER: 60/057,765
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,368
; PRIOR FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.0
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-852-797-29

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Db	262	GCATCCAGGTCAGAGCCACATCTCTCCTGACCATTAAGTCTCCAGCTCCAGGCTGAGGACGAG 321		
QY	313	GCTGATTTACTGCCAGTCTCTATGACAGAGCCTGAATGTCTAGGTATTTCGAGGAGGG 372		
Db	322	GCTGACTATTACTGCGCAGCATATGACAGAGCCTCGCAGTTTGGATGTTTCGGCGAGGG 381		
QY	373	ACCGGCTGACCGTCTTAGGTACGCCAAGSCTGCCCTCGGTCACTCTGTTCGCCGCC 432		
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QY	493	CCGGAGCCGTGACAGTGGCCTGGAAAGCAGATAGCAGCCCCCGTCAAGCGGGAGTGGAG 552		
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36	1117.2	77.7	1431	9	US-09-948-429B-3
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ALIGNMENTS

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; Sequence 7, Application US/10124905
; Patent No. US20020166136A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patencin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/124,905
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
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;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/08/746,361
;; FILING DATE: 08-NOV-1996
;; APPLICATION NUMBER: US 08/487,550
;; FILING DATE: 07-JUN-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Teskin, Robin L.
;; REGISTRATION NUMBER: 35,030
;; REFERENCE/DOCKET NUMBER: 012712-256
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (703) 836-6620
;; TELEFAX: (703) 836-2021
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1437 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 1..1437
;; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-073-138-4

Query Match 100.0%; Score 1437; DB 9; Length 1437;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1437; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGGGTTGGAGCCTCATCTTCTCTTCTGCTGTTGCTTACGGCTGTCAGTGTGAG 60
Db 1 ATGGGTTGGAGCCTCATCTTCTCTTCTGCTGTTGCTTACGGCTGTCAGTGTGAG 60

Qy 61 GTGCAACTGGTGGAGCTGGGGAGGCTGGTCCAGCTGGCGGGTCCCTGAGAGTCTCC 120
Db 61 GTGCAACTGGTGGAGCTGGGGAGGCTGGTCCAGCTGGCGGGTCCCTGAGAGTCTCC 120

Qy 121 TGTGAGTCTCTGGATTACCTTTCACTGACCACTACATGATGTTGTTCCGCCAGGCTCCA 180
Db 121 TGTGAGTCTCTGGATTACCTTTCACTGACCACTACATGATGTTGTTCCGCCAGGCTCCA 180

Qy 181 GGGAGGGGCGGAATGGTAGGTTTCATTAGAAACAAACCGAACCGTGGGACAAAGAA 240
Db 181 GGGAGGGGCGGAATGGTAGGTTTCATTAGAAACAAACCGAACCGTGGGACAAAGAA 240

Qy 241 TACGCGGCTCTGTGAAGACAGATTACCATCTCCAGAGATGATTTCCAAAGCATCGCC 300
Db 241 TACGCGGCTCTGTGAAGACAGATTACCATCTCCAGAGATGATTTCCAAAGCATCGCC 300

Qy 301 TATCTGCAATGAGCAGCTCGAAATCGAGGACACGGCCGCTTATTAATCTGATCATATCC 360
Db 301 TATCTGCAATGAGCAGCTCGAAATCGAGGACACGGCCGCTTATTAATCTGATCATATCC 360

Qy 361 TACATTTTCATTTGTCGGGGTGGTGTCTGCTATGGAGTTACTTCGAAATTTCTGGGGCAG 420
Db 361 TACATTTTCATTTGTCGGGGTGGTGTCTGCTATGGAGTTACTTCGAAATTTCTGGGGCAG 420

Qy 421 GCGGCCCTGCTCAGCTCTCTCAGCTAGCACCAAGGGCCCATCGGTCTTCCCGCTGGCA 480
Db 421 GCGGCCCTGCTCAGCTCTCTCAGCTAGCACCAAGGGCCCATCGGTCTTCCCGCTGGCA 480

Qy 481 CCTCTCTCAAGAGCACCTCTGGGGGACACAGCGGCCCTGGGCTGCTCTGGTCAAGGATAC 540
Db 481 CCTCTCTCAAGAGCACCTCTGGGGGACACAGCGGCCCTGGGCTGCTCTGGTCAAGGATAC 540

Qy 541 TTCCCGGAACCGGTGACGTTGCTGGAACTCAGGCGCCCTGACCAAGCGGGTGCACACC 600
Db 541 TTCCCGGAACCGGTGACGTTGCTGGAACTCAGGCGCCCTGACCAAGCGGGTGCACACC 600

Qy 601 TTCCCGGCTGTCTCTACAGTCTCTCAGGACTCTACTCTCCTCAGCAGCGTGGTACCGTGCCC 660
Db 601 TTCCCGGCTGTCTCTACAGTCTCTCAGGACTCTACTCTCCTCAGCAGCGTGGTACCGTGCCC 660

Qy 661 TCAGAGCTTGGGACCCAGACCTACATCTGCAACGTTGAATCAAGCCCAAGCAACACC 720
Db 661 TCAGAGCTTGGGACCCAGACCTACATCTGCAACGTTGAATCAAGCCCAAGCAACACC 720

Qy 721 AAGGTGCAAGAAAGCAGAGCCCAATCTTGTGACAAAACTCACATATGCCACCGTGC 780
Db 721 AAGGTGCAAGAAAGCAGAGCCCAATCTTGTGACAAAACTCACATATGCCACCGTGC 780

Qy 781 CCAGCACCTGAACTCTCTGGGGGACCGTCACTTCTCTTCCCTCCCAAAACCCAAAGAC 840
Db 781 CCAGCACCTGAACTCTCTGGGGGACCGTCACTTCTCTTCCCTCCCAAAACCCAAAGAC 840

Qy 841 ACCTCATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGGAGCTGAGCCACCA 900
Db 841 ACCTCATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGGAGCTGAGCCACCA 900

Qy 901 GACCTGAGTCAAGTTCACTGCTGAGCGGCTGAGGTGCAATATGTTGCAAGACA 960
Db 901 GACCTGAGTCAAGTTCACTGCTGAGCGGCTGAGGTGCAATATGTTGCAAGACA 960

Qy 961 AAGCCGCGGAGGAGCAGTACAACAGCACTGACCTGTTGTCAGGCTCTCACGCTCTG 1020
Db 961 AAGCCGCGGAGGAGCAGTACAACAGCACTGACCTGTTGTCAGGCTCTCACGCTCTG 1020

Qy 1021 CACGAGCTGGCTGAATGCAAGGAGTACAGTGAAGTCTCCNACAAAGCCCTCCCA 1080
Db 1021 CACGAGCTGGCTGAATGCAAGGAGTACAGTGAAGTCTCCNACAAAGCCCTCCCA 1080

Qy 1081 GCCCCATCAGAAAAACCATCTCCAAAGCCAAAGGCGAGCCCGGAGACACAGGTGAC 1140
Db 1081 GCCCCATCAGAAAAACCATCTCCAAAGCCAAAGGCGAGCCCGGAGACACAGGTGAC 1140

Qy 1141 ACCTGCCCCATCCCGGAGTGAAGTGAACCAAGAACCAAGGTGAGCTGACCTGCTGTC 1200
Db 1141 ACCTGCCCCATCCCGGAGTGAAGTGAACCAAGAACCAAGGTGAGCTGACCTGCTGTC 1200

Qy 1201 AAGGCTTCTATCCAGCGACATCCCGTGGAGTGGGAGAGCAATGGCAGCCGAGAAC 1260
Db 1201 AAGGCTTCTATCCAGCGACATCCCGTGGAGTGGGAGAGCAATGGCAGCCGAGAAC 1260

Qy 1261 AACTACAAGACCAAGCTCTCCGCTGCTGAGCTCCAGCGCTCTTCTCTCTACAGCAAG 1320
Db 1261 AACTACAAGACCAAGCTCTCCGCTGCTGAGCTCCAGCGCTCTTCTCTCTACAGCAAG 1320

Qy 1321 CTCACCGTGAACAGAGAGAGTGGCAGAGGGGAAAGTCTCTCATGTCTCGTATGATCAT 1380
Db 1321 CTCACCGTGAACAGAGAGAGTGGCAGAGGGGAAAGTCTCTCATGTCTCGTATGATCAT 1380

Qy 1381 GAGGCTTGACACACCACTACAGCAGAGAGCTCTCCCTGCTCTCCGGGTAAATGA 1437
Db 1381 GAGGCTTGACACACCACTACAGCAGAGAGCTCTCCCTGCTCTCCGGGTAAATGA 1437

RESULT 4
US-09-822-830A-572
; Sequence 572, Application US/09822830A
; Patent No. US20020142952A1
; GENERAL INFORMATION:
; APPLICANT: Genetics Institute, Inc.
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakar
; APPLICANT: Graham, James R.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6402

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; CURRENT APPLICATION NUMBER: US/09/822, 830A
; CURRENT FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195, 604
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 631
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 572
; LENGTH: 1616
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1326,1377,1440,1579,1580
; OTHER INFORMATION: n=a,c,g, or t
; US-09-822-830A-572

Query Match      84.6%; Score 1216; DB 10; Length 1616;
Best Local Similarity 91.0%; Pred. No. 0;
Matches 1307; Conservative 0; Mismatches 118; Indels 12; Gaps:

Qy 1 ATGGGTTGGAGCCTCATCTTGTCTCTTCCTTGTGCCTTGTGTCTATCGCTGTGTCTATCGCGTGTCTCAGTGTCTGAG 60
    |||
Db 66 ATGGAGTTTGGGCTTAGCTGGGTTTCTCTTGTGTCTATTTTAAAGGTTGTCCAATGTGAG 125

Qy 61 GTGCAACTGTGTGGAGTCTGGGGGAGGTTGGTCTCAGGCTGGCGGTTCCCTGTAGAGTCTCC 120
    |||
Db 126 GTGCAGCTGTGTGGAGTCTGGGGGAGGCTGATACAACAGGCGGTCCTCTAGACTCTCC 185

Qy 121 TGTCCAGTCTCTGATTTCACCTTCAGTGACCACTACATGTATTGGTTTCGCCAGGCTCCA 180
    |||
Db 186 TGCAGAGTTCTGATTTCGCGTTTGGTGATATTGGTGTGAGCTGGGTTCGCCAGGCTCCA 245

Qy 181 GGGGAAGGGCGGGAATGGGTAGGTTTCATTAGAAAAAAGGACCGGTCGGGACCAAGAA 240
    |||
Db 246 GGGGAAGGGCTGGAGTGGGTGAGTCAATCAGAACCGAGGCTTATGGTGGGACAGAAAT 305

Qy 241 TACGCCCGGTCTGTGAAGAAGACAGATTCCACCATCTCCAGAGATGATTCCAAAAGCATCGCC 300
    |||
Db 306 TACGCCCGGTCTGTGACGGGCAGATTCAACCATCTCAAGAGATGATTCCAAAAGCATCGCC 365

Qy 301 TATCTGCAATGAGCAGCTTGAAATCGAGGACAGCGCCGTCTATTACTGTACTACATCC 360
    |||
Db 366 TATCTGAGATGAGCAGCTTGAAACCGAGGACAGAGCCCTTATCACTGTAGTA----- 420

Qy 361 TACATTTTCAATTTGTGGGGTGGTGTCTGCTATGAGAGTTACTTCCAAATCTCGGGGCGAG 420
    |||
Db 421 -----AACATTACTATGATGATACTGGTTATCAAGATCTTCCAACTATGGGGCGAG 473

Qy 421 GGCGCCCTGTGTACCGTCTCTCAGCTAGACCAAGAGGCCATCGGTCTTCCCTCGGCA 480
    |||
Db 474 GGCACCTGTGTCTATCGTCTCTCAGCCTCCACCAAGGGCCATCGGTCTTCCCTCGGCA 533

Qy 481 CCCTCTCCAAAGACACCTCTGGGGGACAGCGGCCCTGGGCTGCCTGTCAAGACTAC 540
    |||
Db 534 CCCTCTCCAAAGACACCTCTGGGGGACAGCGGCCCTGGGCTGCCTGTCAAGACTAC 593

Qy 541 TTCCCCGAAACCGGTGACGGTGTGCTGGAATCAGGGGCCCTGACACAGCGCGTGCACACC 600
    |||
Db 594 TTCCCCGAAACCGGTGACGGTGTGCTGGAATCAGGGGCCCTGACACAGCGCGTGCACACC 653

Qy 601 TTCCCGGCTGTCTACAGTCTCTCAGGACTCTACTTCCTCAGCAGCGTGTGTGACCGTGCC 660
    |||
Db 654 TTCCCGGCTGTCTACAGTCTCTCAGGACTCTACTTCCTCAGCAGCGTGTGTGACCGTGCC 713

Qy 661 TCCAGCAGCTTGGGCACCCAGACCTACATCTGCNAAGTGAACTACAAGGCCAGCAACACC 720
    |||
Db 714 TCCAGCAGCTTGGGCACCCAGACCTACATCTGCNAAGTGAACTACAAGGCCAGCAACACC 773

Qy 721 AAGGTGACAAAGAAAGACAGAGCCCAATCTTTGTGACAAAATCTCACATGCCACCGTGC 780
    |||
Db 774 AAGGTGACAAAGAGAGTTGAGCCCAATCTTTGTGACAAAATCTCACATGCCACCGTGC 833

Qy 781 CCAGCAGCTGAAGTCTCTGGGGGAGCCGTCAGTCTTCTCTTCCCCCAAAACCCAGGAC 840
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Db	834	CCAGCACCTGAACCTCTCTGGGGGAGCCGTAGTCTTCTCTTCCCGCCCAAAACCCCAAGGAC	893
Qy	841	ACCCCTCATGATCTCCCGGACCCCTCAGGTCACATCGCTGGTGGTGGAGCGTGAGCCACGAA	900
Db	894	ACCCCTCATGATCTCCCGGACCCCTGAGGTCACATCGCTGGTGGTGGAGCGTGAGCCACGAA	953
Qy	901	GACCTGAGGTCAAGTTCAACTTCAGTGGACGCGGTGGAGGTGCATAAATGCCAAGACA	960
Db	954	GACCTGAGGTCAAGTTCAACTTCAGTGGACGCGGTGGAGGTGCATAAATGCCAAGACA	1013
Qy	961	AAGCCGGGAGGAGCAGTACAAACAGCAGTACCGTGTGGTTCAGCGTCTCACCCTCCGT	1020
Db	1014	AAGCCGGGAGGAGCAGTACAAACAGCAGTACCGTGTGGTTCAGCGTCTCACCCTCCGT	1073
Qy	1021	CACGAGACTGGCTGAATGGCAAGGAGTACAAGTGCAAAGTCTCCAAACAAAGCCCTCCCA	1080
Db	1074	CACGAGACTGGCTGAATGGCAAGGAGTACAAGTGCAAAGTCTCCAAACAAAGCCCTCCCA	1133
Qy	1081	GCSCCCTGAGAAAAACCATCTCCAAAGCAAAAGGGCAGCCCCGAGAACCAACAGGTGTAC	1140
Db	1134	GCSCCCTGAGAAAAACCATCTCCAAAGCAAAAGGGCAGCCCCGAGAACCAACAGGTGTAC	1193
Qy	1141	ACCTGCCCCCATCCCGGATGAGCTGACCAAGAACCCAGGTGAGCTGACCTGCTGGTC	1200
Db	1194	ACCTGCCCCCATCCCGGAGGAGTAGCAAGAACCCAGGTGAGCTGACCTGCTGGTC	1253
Qy	1201	AAAGGCTTCTATCCAGCGACACATCGCCGTGGAGTGGGAGAGCAATGGCGACGCGAGAAC	1260
Db	1254	AAAGGCTTCTATCCAGCGACACATCGCCGTGGAGTGGGAGAGCAATGGCGACGCGAGAAC	1313
Qy	1261	AACTCAAGACCAACGCTCCCGTGTGGACTCCGACGGCTCTCTTCTCTCTACAGCAAG	1320
Db	1314	AACTCAAGACCAACGCTCCCGTGTGGACTCCGACGGCTCTCTTCTCTCTATAGCAAG	1373
Qy	1321	CTACCGTGGACAAGAGCAGGTGGCAGCAGGGGAAACGTCTTCTCATGCTCCCGTATGCAT	1380
Db	1374	CTCNCCTGGACAAGAGCAGGTGGCAGCAGGGGAAACGTCTTCTCATGCTCCCGTATGCAT	1433
Qy	1381	GAGGCTCTGCACAAACCATACACGAGAGAGCCCTCTCCCTGCTCTCCGGGTAAATGA	1437
Db	1434	GAGGCTNTGTTCAACCACCTACACGAGAGAGCCCTCTCCCTGCTCCCGGTAAATGA	1490
RESULT 5			
US-09-925-299-230			
; Sequence 230, Application US/09925299			
; Publication No. US20030040617A9			
; GENERAL INFORMATION:			
; APPLICANT: Rosen et al.			
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies			
; FILE REFERENCE: PA102			
; CURRENT APPLICATION NUMBER: US/09/925,299			
; PRIORITY FILING DATE: 2001-08-10			
; PRIOR APPLICATION NUMBER: PCT/US00/05883			
; PRIOR FILING DATE: 2000-03-08			
; PRIOR APPLICATION NUMBER: 60/124,270			
; PRIOR FILING DATE: 1999-03-12			
; NUMBER OF SEQ ID NOS: 1556			
; SOFTWARE: PatentIn Ver. 2.0			
; SEQ ID NO 230			
; LENGTH: 1798			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; FEATURE:			
; NAME/KEY: misc_feature			
; LOCATION: (1)			
; OTHER INFORMATION: n equals a,t,g, or c			
; NAME/KEY: misc_feature			
; LOCATION: (15)			
; OTHER INFORMATION: n equals a,t,g, or c			
; NAME/KEY: misc_feature			
; LOCATION: (24)			

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RESULT 5
US-09-925-299-230
; Sequence 230, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 230
; LENGTH: 1798
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (15)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (24)

```


[illegible]

ORGANISM: Homo sapiens
US-09-822-849A-111

Query Match 81.1%; Score 1165.4; DB 10; Length 1615;
Best Local Similarity 89.5%; Pred. No. 3.2e-313; Indels 10; Gaps 3;
Matches 1290; Conservative 0; Mismatches 141;

QY 1 ATGGGTGGAGCCTCATCTTGTCTCTCTTGTGCTGTGCTACGCGTGTCCAGTGTGAG 60
DB 54 ATGGAGTTGGGGCTGTGCTGGGTTTCTCTTGTGCTATTTAGAAAGTGTCCGGTGTGAG 113
QY 61 GTGCAACTGTGTGAGTCTGGGGAGGCTGTGCTCAGCGCTGGCGGTCTCCAGAGTCTCC 120
DB 114 GTGCAGCTGTGTGACTCTGGGGAGGCTGTGCTCAGCGCTGGAGGGTCCCTGTGAGACTCTCC 173
QY 121 TGTGCACTCTGTGAATTCACCTTTCACTGACCACTACATGTATTGTTCCGCCAGGCTCCA 180
DB 174 TGTGAAGCTCTGTGAATTCACCTTCGGACCTTTTGAATCACTGGGTCCGCCAGGCTCCA 233
QY 181 GGGNAGGGGCGGAATGGGTAGTGTTCATTAGAAACAAACCGAAACCGTGGGACAAAGAA 240
DB 234 GGGNAGGGGCTGGAATGGATCTCATATTT-----AATACTAATGTTTCTACCAATAT 287
QY 241 TAGCGCGCTCTGTGAAAGACAGATTCACCATCTCCAGAGATGATTCCTGTTACTA--CA 357
DB 288 TATGCAAGCTCTGTGAGGCGGATTCAGCATCTCCAGAGACAACTCCAGAACTCGGTG 347
QY 301 TATCTGCAATGAGCAGCCTGAAATTCGAGGACACCGCGCTCTATTACTGTACTA--CA 357
DB 348 TATCTGCAATGAAACAGTCTGAGAGTCGGGGACACGGCTATTATTCTGTCTGAGAGAA 407
QY 358 TCCTACATTTACATTTGCTGGGGTGTGTCTGCTATGAGAGTTACTTCGAAATTCGGGGC 417
DB 408 AGTTATTACTATGATTCAGAGCATGATTTTACTCTGGAGGGCGCTTTGATCTCTGGGGC 467
QY 418 CAGGGCGCGCTGCTCAACCGTCTCTCAGCTAGACCAACAGGGGCCATCGGTCTTCCCGCTG 477
DB 468 CAAGGACAAATGCTACCGTCTCTCAGCTCCACCAAGGGCCATCGGTCTTCCCGCTG 527
QY 478 GCACCTCTCTCAAGAGCACTCTGGGGGACAGCGGCCCTGGGCTGCTGTCTCAAGAC 537
DB 528 GCACCTCTCTCAAGAGCACTCTGGGGGACAGCGGCCCTGGGCTGCTGTCTCAAGAC 587
QY 538 TACTTCCCGGACCGGTGACGGTGTCTGGAACTCAGGGGCCCTGACGAGCGGCTGTGAC 597
DB 588 TACTTCCCGGACCGGTGACGGTGTCTGGAACTCAGGGGCCCTGACGAGCGGCTGTGAC 647
QY 598 ACCTTCCCGGCTGTCTCAGTCTCTCAGGACTCTACTCTCCTCAGCAGCGTGTGACCGTG 657
DB 648 ACCTTCCCGGCTGTCTCAGGCTCTCTCAGGACTCTACTCTCCTCAGCAGCGTGTGACCGTG 707
QY 658 CCCTCAGCAGCTTGGGACCCAGACCTACATCTGCAACGTTGAATCACAAGCCCAAGCAAC 717
DB 708 CCCTCAGCAGCTTGGGACCCAGACCTACATCTGCAACGTTGAATCACAAGCCCAAGCAAC 767
QY 718 ACCAAGTGGACAAGAGCAGGCCCCAAATCTTGTGACAAACTCACAATGCCCAACG 777
DB 768 ACCAAGTGGACAAGAGAGTTGAGCCCCAAATCTTGTGACAAACTCACAATGCCCAACG 827
QY 778 TGCCACGACCTGAACTCTCTGGGGGACCGTCACTCTCTCTTCCCGCCCAAAACCCCAAG 837
DB 828 TGCCACGACCTGAACTCTCTGGGGGACCGTCACTCTCTCTTCCCGCCCAAAACCCCAAG 887
QY 838 GACACCTCATGATCTCCGACCCCTGAGGTCAATCGGTGAGTGTGGAGCGTGAAGCCAC 897
DB 888 GACACCTCATGATCTCTCCGACCCCTGAGGTCAATCGGTGAGTGTGGAGCGTGAAGCCAC 947
QY 898 GAAGACCTGAGGTCAAGTCTCACTGTGACGTGA--CGGCGTGGAGGTGCATATGCCAA 956
DB 948 GAAGACCTGAGGTCAAGTCTCACTGTGACGTGA--CGGCGTGGAGGTGCATATGCCAA 1007
QY 957 GACAAAGCCGGGAGGAGCAGTACAAACAGCAGCTTACCGTGTGGTCAAGGTCTCCACCGT 1016

DB 1008 GACAAAGCCGCGGAGGAGCAGTACACAGCAGTACCGTGTGGTCAAGCGTCTCACCGT 1067
QY 1017 CTGTGACACGAGTCTGCTGAATGGCAAGGAGTACAAGTCAAGGTCTTCCAAACAAGCCCT 1076
DB 1068 CATGCAACGAGGAGTCTGCTGAATGGCAAGGAGTACAAGTCAAGGTCTTCCAAACAAGCCCT 1127
QY 1077 CCAGAGCCCGCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCGGAGAACACAGGT 1136
DB 1128 CCAGAGCCCGCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCGGAGAACACAGGT 1187
QY 1137 GTACACCTTGCCTCCCATCCCGGATGAGTACCAAGAACAGGTGAGCCTGACCTGCCT 1196
DB 1188 GTACACCTTGCCTCCCATCCCGGAGGAGATGACCAAGAACAGGTGAGCCTGACCTGCCT 1247
QY 1197 GGTCAAGAGCTTCTATCCAGCGACATCCCGTGGAGTGGAGAGCAATGGGAGCCGGA 1256
DB 1248 GGTCAAGAGCTTCTATCCAGCGACATCCCGTGGAGTGGAGAGCAATGGGAGCCGGA 1307
QY 1257 GAACAACTACAAGACCAACGCTCCCGTGTGACTCCGACGGCTCTTCTTCTCTACAG 1316
DB 1308 GAACAACTACAAGACCAACGCTCCCGTGTGACTCCGACGGCTCTTCTTCTCTATAG 1367
QY 1317 CAAGTCAACGTTGGAGCAAGAGCAGTGGCAGCAGGGGAACTTCTCTCATGTCCGTGAT 1376
DB 1368 CAAGTCAACGTTGGAGCAAGAGCAGTGGCAGCAGGGGAACTTCTCTCATGTCCGTGAT 1427
QY 1377 GCATGAGGCTCTGCACCAACCACTACACGAGAGAGCCTCTCCCTGTCTCCGGGTAAATG 1436
DB 1428 GCATGAGGCTCTGCACCAACCACTACACGAGAGAGCCTCTCCCTGTCTCCGGGTAAATG 1487
QY 1437 A 1437
DB 1488 A 1488

RESULT 11
US-09-822-830A-571
; Sequence 571, Application US/09822830A
; Patent No. US20020142952A1
; GENERAL INFORMATION:
; APPLICANT: Genetics Institute, Inc.
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakar
; APPLICANT: Graham, James R.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6402
; CURRENT APPLICATION NUMBER: US/09/822,830A
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195,604
; NUMBER OF SEQ ID NOS: 631
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 571
; LENGTH: 1617
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-830A-571

Query Match 80.9%; Score 1163; DB 10; Length 1617;
Best Local Similarity 89.4%; Pred. No. 1.5e-312;
Matches 1285; Conservative 0; Mismatches 125; Indels 27; Gaps 2;
QY 1 ATGGGTGGAGCCTCATCTTGTGCTGTGCTACGCGTGTGCTACGCGTGTCCAGTGTGAG 60
DB 66 ATGAAGTTGGGCTGTGCTGGGTTTCTCTGTTGCTATTAGAAAGTGTCCAGTGTGAG 125
QY 61 GTGCAACTGTGTGAGTCTGGGGAGGCTTGGTCCAGCCTGCGGGTCCCTCAGAGTCTCC 120


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Db 1015 ATGGGATGGAGCTGTATCATCTCTTCTTGGTAGCAACAGCTACAGGTGTCCACTCCGAG 1074
Qy 61 GTGCAACTGGT--GGAGTCTGGGGAGAGGTTGGTTCAGACCTGGCGGTCCCTCAGAGTC 117
Db 1075 GTCCAACTGTCTCGAGGAGTCTGGGGAGGCTGGTCAAGGCTGGCGGTCCCTAAGACTC 1134
Qy 118 TCCGTGTGACGTCTCTGATTCACCTTCAGTGA CCACTACATGTATTTGGTTCGCGCAGGCT 177
Db 1135 TCGTGTGACGCTCTGGAACCACTCCTCAGTGGCTATACCATGTGCACTGGGTTCGCGCAGGCT 1194
Qy 178 CCAGGGAAGGGCGCGGAATGGGTAGGTTTCATTAGAAACAAACCGAACGGTGGGACAACA 237
Db 1195 CCAGGGAAGGGCTGGAGTGGGTCTCATCTACTGGAGGTAGCAAC-----TTCA 1248
Qy 238 GAATAGCCCGCTGTGTGAAGAAGACAGATTCACCATCTCCAGAGATGATTCAAAAGCATC 297
Db 1249 AACTACTCAGACTCAGTGAAGGCGGATTCCACATCTCCAGAGACAACGCCAAGACTCA 1308
Qy 298 GCCTATCTGCAATAGACGACCTGAAATCGAGGACACGCGCGTCTATTACTGTACTACA 357
Db 1309 CTTTATCTGCAATAGACGCTGACAGCGGAGACACGCGTCTCTATTATTGTGGACC 1368
Qy 358 TCTACATTTACATTTGTCGGGTGGTGTCTGTATGGAGGTTACTTTCGAATTTCTGGGC 417
Db 1369 GCCCTATAGCAC-----GCCCTACTTTGACCACTGGGC 1404
Qy 418 CAGGGCGCCTGTGTACCGTCTCTCAGTGTAGCAACAAAGGCCCATCGTCTTCCGCCCTG 477
Db 1405 CAGGGAACCTGTGTACCGTCTCTCAGCTCCACCAAGGGCCCATCGTCTTCCGCCCTG 1464
Qy 478 GCACCTCTCTCAAAGAGCCTCTGGGGGACAGCGGCCCTGGCTGCTGTCTCAAGGAC 537
Db 1465 GCACCTCTCTCAAAGAGCCTCTGGGGGACAGCGGCCCTGGCTGCTGTCTCAAGGAC 1524
Qy 538 TACTTCCCCGAACCGGTGACGTGTCTGTGAACCTCAGGGCGCCTGACAGCGCGCTGCAC 597
Db 1525 TACTTCCCCGAACCGGTGACGTGTCTGTGAACCTCAGGGCGCCTGACAGCGCGCTGCAC 1584
Qy 598 ACCTTCCCGGTCTCTACAGTCTCAGGACTCTACTCCCTCAGCAGCGTGTGACCGTG 657
Db 1585 ACCTTCCCGGTCTCTACAGTCTCAGGACTCTACTCCCTCAGCAGCGTGTGACTGTG 1644
Qy 658 CCCTCAGCAGCTTGGGACCCAGACCTACATCTGCAAGCTGAATCACAAGCCCAAGCAAC 1704
Db 1645 CCCTCAGCAGCTTGGGACCCAGACCTACATCTGCAAGCTGAATCACAAGCCCAAGCAAC 1704
Qy 1718 ACCAAGGTGGAACAAGAGCAGAGCCCAATCTTGTGACAAAACCTCACATGCCCCACCG 777
Db 1705 ACCAAGGTGGAACAAGAGTTGAGCCCAATCTTGTGACAAAACCTCACATGCCCCACCG 1764
Qy 778 TGCCAGCAGCTGAATCTCCGGGGGACCGTCAAGTCTTCTTCCGCCCAAAACCCCAAG 837
Db 1765 TGCCAGCAGCTGAATCTCCGGGGGACCGTCAAGTCTTCTTCCGCCCAAAACCCCAAG 1824
Qy 838 GACACCTCATGATCTCCGGACCCCTCAGGTCAATGCTGAGTGGAGTGCATAATGCCAAG 957
Db 1825 GACACCTCATGATCTCCGGACCCCTCAGGTCAATGCTGAGTGGAGTGCATAATGCCAAG 957
Qy 898 GAAGACCTTGAGTCAAGTTCAACTGGTACGTGGACGCGTGGAGGTGCATAATGCCAAG 1944
Db 1885 GAAGACCTTGAGTCAAGTTCAACTGGTACGTGGACGCGTGGAGGTGCATAATGCCAAG 1944
Qy 958 ACAAGCCGCGGGAGGACGTACACAGCAGTACCGTGTGGTCAAGTCTCAACCGTCC 1017
Db 1945 ACAAGCCGCGGGAGGACGTACACAGCAGTACCGTGTGGTCAAGTCTCAACCGTCC 1017
Qy 1018 CTGACACAGGACTGGCTGAATGGCAAGGAGTCAAGTCAAGTCTCAAGTCTCAAGTCTCA 1077
Db 2005 CTGACACAGGACTGGCTGAATGGCAAGGAGTCAAGTCAAGTCTCAAGTCTCAAGTCTCA 1077
Qy 1078 CCAGCCCCCATCGAGAAACCATCTTCCAAAGCCAAAGGCGAGCCCGGAGAACCAAGGTG 1137
Db 2065 CCAGCCCCCATCGAGAAACCATCTTCCAAAGCCAAAGGCGAGCCCGGAGAACCAAGGTG 2124
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Qy 1138 TACACCTGCCCCCATCTCCCGGATAGCTGACCAAGAACACAGGTGACCTGACCTGCTG 1197
Db 2125 TACACCTGCCCCCATCTCCCGGATAGCTGACCAAGAACACAGGTGACCTGACCTGCTG 2184
Qy 1198 GTCAAAGGCTTCTATCCAGCGACATCGCGTGGAGTGGAGAGCAATGGGACGCCGAG 1257
Db 2185 GTCAAAGGCTTCTATCCAGCGACATCGCGTGGAGTGGAGAGCAATGGGACGCCGAG 2244
Qy 1258 AACAACTTACAAGACCGCTCCCGTCTGGACTCCGACGGCTCTTCTTCTCTACAGC 1317
Db 2245 AACAACTTACAAGACCGCTCCCGTCTGGACTCCGACGGCTCTTCTTCTCTACAGC 2304
Qy 1318 AAGCTCACCGTGGACAGAGCAGGTGGCAGCAGGGGACGTTCTTCTATGTCGCTGATG 1377
Db 2305 AAGCTCACCGTGGACAGAGCAGGTGGCAGCAGGGGACGTTCTTCTATGTCGCTGATG 2364
Qy 1378 CATGAGGCTCTGCACAACTACACGCGAAGAGCGCTCTCCCTGTCTCCGGGTAAATGA 1437
Db 2365 CATGAGGCTCTGCACAACTACACGCGAAGAGCGCTCTCCCTGTCTCCGGGTAAATGA 2424
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RESULT 13

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US-09-822-849A-103
; Sequence 103, Application US/09822849A
; Patent No. US20020045170A1
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fichtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakr
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6403
; CURRENT APPLICATION NUMBER: US/09/822,849A
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/195,582
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 598
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 103
; LENGTH: 1598
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1040..1562
; OTHER INFORMATION: n = a,c,t, or g
US-09-822-849A-103
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Query Match 79.5%; Score 1142.8; DB 10; Length 1598;
Best Local Similarity 88.5%; Pred. No. 5.7e-307;
Matches 1272; Conservative 0; Mismatches 138; Indels 27; Gaps 2;
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Qy 1 ATGGGTTCGAGCCATCTTGTCTCTTCTTGTCTGCTGTGCTACGCGTGTCCAGTGTGAG 60
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Qy 61 GTGCAACTGGTGGAGCTTGGGGGAGGCTTGGTCCAGCTGGCGGTCCCTGAGAGTCTCC 120
Db 123 GCGCAGCTTGTGCAGTCTGGGGGAGAGTGGTGCAGCTGGAGGGTCCGTGAGACTCTCC 182
Qy 121 TGTGAGTCTCTGGAATCACCTTCAGTGACCACTACATGTATTGGTTCCGCCAGGCTCCA 180
Db 183 TGTGAAGCCTCTGGATTCCCTCTTAGAAATTACGAAATGAATGGGTTCGCCAGGCTCCA 242
Qy 181 GGGAGGGGCGCGAATGGGTAGGTTTTCATTAGAAACAAACGAAACGGTGGGACAAAGAA 240
Db 243 GGGAGGGGCGCGAATGGGATTTCATACATCAGTAGC-----AGTGGCAATTCCAAATAT 296
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QY	241	TACGCCGCGTCTGTGAAAGACAGATTACCATCTCCAGAGATGATTCAAAGCATCGCC	300
Db	297	TACGCAGACTCTGTGAAGGTCGCTTCGCCATCTCAAGGGACGAGTCCAGAACTCACTC	356
QY	301	TATCTCGAAATGAGCAGCCTGAAATTCGAGGACCGCGCTATTACTGTACTACATCC	360
Db	357	TTCTTACATTTGAGCAGCCTGAGACCGGAGACGCGTGTCTACTCTGTGCCAGAAC	416
QY	361	TACATTTCAATTGTTCGGGTGGTGTCTGTCTATGGAGGTACTTTCGAATTTCTGGGGCAG	420
Db	417	CTGAGAGTAGTGAAACGAGG-----CTTCGACCCTGGGGCCAG	455
QY	421	GGCGCCTCGGTCAACGCTCTCTCAGCTAGCAGCAAGGGCCCATCGGTCTCCCCCTGGCA	480
Db	456	GGAAGCCTCGTCTCTGTCTCTCAGCTCTCAACAAGGGCCCATCGGTCTTCCCCCTGGCA	515
QY	481	CCCTCTCTCAAGACACCTCTGGGGGCAACAGCGGCGCTTGGGTGCTTGGTCAAGGACTAC	540
Db	516	CCCTCTCTCAAGAGCACCTCTGGGGGCAACAGCGGCGCTTGGGTGCTTGGTCAAGGACTAC	575
QY	541	TTCCCGAACCGGTGACGCGTGTCTGTGGAACCTCAGCGGCGCTTGACGAGCGGGCGTGCAACC	600
Db	576	TTCCCGAAACCGGTGACGCGTGTCTGTGGAACCTCAGCGGCGCTTGACGAGCGGGCGTGCAACC	635
QY	601	TTCCCGGCTGTCTCAGAGTCTCTCAGGACTCTACTCCCTCAGCAGCGTGGTCAACGTCGCC	660
Db	636	TTCCCGGCTGTCTCAGAGTCTCTCAGGACTCTACTCCCTCAGCAGCGTGGTCAACGTCGCC	695
QY	661	TCCAGCAGCTTTGGGCACCAGACTTACATCTGCAACGTGAATCAACAGCCGAGCAACACC	720
Db	696	TCCAGCAGCTTTGGGCACCAGACTTACATCTGCAACGTGAATCAACAGCCGAGCAACACC	755
QY	721	AAGGTGGACAAAGAACGACAGGCCAAATCTTGTGCACAAAATCTCACACATGCCACCGTGC	780
Db	756	AAGTGGACAAAGAGAGTTGAGCCCAATCTTGTGACAAAATCTCACACATGCCACCGTGC	815
QY	781	CCAGCAGCTGAACTCTCTGGGGGACCGTCAGTCTTCTCTTCCCGCCCAAAACCAAGGAC	840
Db	816	CCAGCAGCTGAACTCTCTGGGGGACCGTCAGTCTTCTCTTCCCGCCCAAAACCAAGGAC	875
QY	841	ACCTCATGATCTCCGGGACCCCTCAGGTTCACATCGCTGGTGGTGAGCGTGAGGCCAGAA	900
Db	876	ACCTCATGATCTCCGGGACCCCTGAGGTTCACATCGCTGGTGGTGAGCGTGAGGCCAGAA	935
QY	901	GACCTTGAGGTCAAGTTTCAACTGTGTGAGCGGCGTGGAGGTGCATTAATGCCAAGACA	960
Db	936	GACCTTGAGGTCAAGTTTCAACTGTGTGAGCGGCGTGGAGGTGCATTAATGCCAAGACA	995
QY	961	AAGCCGCGGAGGAGCAGTCAACACAGCAGTACCGCTGGTGGTCAGCGTCTCACCGTCTTG	1020
Db	996	AAGCCGCGGAGGAGCAGTCAACACAGCAGTACCGCTGGTGGTCAGCGTCTCACCGTCTTG	1055
QY	1021	CACAGGACTTGGCTGAATGGCAAGGAGTCAAGTGCAGAGGTCTCCAAAGACCCCTCCCA	1080
Db	1056	CACAGGACTTGGCTGAATGGCAAGGAGTCAAGTGCAGAGGTCTCCAAAGACCCCTCCCA	1115
QY	1081	GCCTCCATCGAGAAACCATCTCCAAAGCCAAAGGGACGCCCGAGAGCACACAGGTCTAC	1140
Db	1116	GCCTCCATCGAGAAACCATCTCCAAAGCCAAAGGGACGCCCGAGAGCACACAGGTCTAC	1175
QY	1141	ACCTTGCCCCCATCCCGGATGAGTGCACCAAGAACCAAGGTCAAGCTGACTGCTGCTGC	1200
Db	1176	ACCTTGCCCCCATCCCGGAGGAGATGACCAAGAACCAAGGTCAAGCTGACTGCTGCTGC	1235
QY	1201	AAAGGCTTCTATCCAGCGACATCCCGTGGAGTGGGAGAGCAATGGCAGCGCGAGAAC	1260
Db	1236	AAAGGCTTCTATCCAGCGACATCCCGTGGAGTGGGAGAGCAATGGCAGCGCGAGAAC	1295
QY	1261	AACCTAAGACCAACGCTCCCGTGTGGACTCCGACGCTCTTCTTCTCTACAGCAAG	1320
Db	1296	AACCTAAGACCAACGCTCCCGTGTGGACTCCGACGCTCTTCTTCTCTAATGACAG	1355

RESULT 14

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US-09-822-830A-303
; Sequence 303, Application US/09822830A
; Patent No. US20020142952A1
; GENERAL INFORMATION:
; APPLICANT: Genetics Institute, Inc.
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakara
; APPLICANT: Graham, James R.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 402
; CURRENT APPLICATION NUMBER: US/09/822,830A
; CURRENT FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195,604
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 631
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 303
; LENGTH: 1634
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-830A-303

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Query Match	79.5%;	Score	1142.8;	DB	10;	Length	1634;
Best Local Similarity	88.6%;	Pred.	No. 5.8e-347;				
Matches 1278;	Conservative	0;	Mismatches	107;	Indels	17;	Gaps
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QY	69	GFTGAGATCTGGGGAGAGGCTTGGTCAGCGCTGGCGGGTCCCTGAGAGTCTCTCTGFCAGT	128				
DB	131	GFTGAGATCTGGGGAGAGGCTGGTCAAGCGGGGGGGTCCCTGAGACTCTCCTGTSCAGG	190				
QY	129	CTCTGAGATTACGCTTCAGTGACCACTACATGATTATGGTTTCGGCCAGGCTCCAGGGAAGGG	188				
DB	191	CTCTGAGATTATCTTCAGTGACTATGGCATNGATTGGGTCCGCCGACTCCAGGGAAGGG	250				
QY	189	GCCGGAATGGGTAGGTTTCATTAGAAACAAACCGAACCGTGGGACAAAGAAATACGCCGC	248				
DB	251	ACTGGAGTTGGGTCTCTTCCATTAGTATGACTGTGTCGGT----ACATATATAACGCAGA	306				
QY	249	GTCTGTAAGAAGACAGATTACACCATCTCCAGAGATGATTCCAAAGCATCGCCTATCTCCA	308				
DB	307	CTCAGTGAAGGGCCGGAATCACCATCCCAGAGACAACGCCAAGAGTTCACTGTCTCTGCA	366				
QY	309	AATGAGCAGCTGAAATCCAGGACACGGCCGTCTATTACTGTACTACATCCATATTC	368				
DB	367	AATGAAAAACCTGAGAGCCCGGACTCGGCTGTATATTACTGCGGGAATTCAGTCTCTT	426				
QY	369	ACATTGTCGGGGTGGTG-----TCTGCTATGGAGGTTACTTCGATTCTCGGG	416				
DB	427	AGTTCAAACTACTGTCGATCAAAACCCATTCTTCTACTATGGCCTATGGACGCTCGGG	486				
QY	417	CCAGGGCGCCCTGGTCACCGCTCTCTCAGCTAGCAACCAAGGCCCATCGGTCTTCCCCCT	476				
DB	487	CCAAGGACAACGGTTCATGGTCTCTCAGCTTCCACCAAGGCCCATCGGTCTTCCCCCT	546				

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: April 6, 2003, 01:56:24 ; Search time 145.88 Seconds

(without alignments)
8604.535 Million cell updates/sec

File: US-09-758-173-11

Perfect score: 1431

Sequence: 1 ATGAAACACCTGTGGTCTT.....CCCTGTCTCGGTAATCA 1431

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438583890 residues 1186858

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_NA:*

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14:	/cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1431	100.0	1431	9	US-10-124-905-11
2	1431	100.0	1431	9	US-09-948-429B-11
3	1429.4	99.9	1431	9	US-10-073-138-6
4	1315.8	91.9	1431	9	US-10-124-905-3
5	1315.8	91.9	1431	9	US-09-948-429B-3
6	1314.2	91.8	1431	9	US-10-073-138-2
7	1134.8	79.3	1428	10	US-09-740-002-17
8	1133.4	79.2	1798	9	US-09-925-299-230
9	1133.4	79.2	1798	10	US-09-925-299-230
10	1125.2	78.6	1428	10	US-09-740-002-19
11	1122.8	78.5	1599	10	US-09-954-456-789
12	1122.8	78.5	1599	10	US-09-954-456-1604
13	1118	78.1	1449	10	US-09-747-669-1
14	1118	78.1	1449	10	US-09-747-669-2
15	1112.4	77.7	1437	9	US-10-124-905-7
16	1112.4	77.7	1437	9	US-09-948-429B-7
17	1112.4	77.7	1437	9	US-10-073-138-4
18	1110.8	77.6	1427	12	US-10-066-895-20
19	1110.8	77.6	1427	12	US-10-066-895-25

20	1109.2	77.5	1427	12	US-10-066-895-27	Sequence 27, Appl
21	1102.8	77.1	6284	12	US-10-066-895-14	Sequence 14, Appl
22	1100.4	76.9	1356	10	US-09-822-698A-27	Sequence 27, Appl
23	1100	76.9	1539	10	US-09-822-849A-87	Sequence 87, Appl
24	1098.2	76.7	1617	10	US-09-822-830A-571	Sequence 571, Appl
25	1096.6	76.6	9209	9	US-09-911-703-3	Sequence 3, Appl
26	1096.6	76.6	9209	9	US-09-905-928-2	Sequence 2, Appl
27	1096.6	76.6	18986	9	US-10-103-853-2	Sequence 2, Appl
28	1093.8	76.4	8120	9	US-09-726-358-68	Sequence 68, Appl
29	1091.8	76.3	9182	9	US-09-927-122-41	Sequence 41, Appl
30	1089.2	76.1	1347	10	US-09-736-371B-20	Sequence 20, Appl
31	1089	76.1	1404	10	US-09-825-012-10	Sequence 10, Appl
32	1089	76.1	1565	10	US-09-822-849A-104	Sequence 104, Appl
33	1088.6	76.1	1640	10	US-09-822-849A-321	Sequence 321, Appl
34	1088.4	76.1	1598	10	US-09-822-849A-103	Sequence 103, Appl
35	1086.4	75.9	2196	10	US-09-825-012-44	Sequence 44, Appl
36	1086.4	75.9	2196	10	US-09-825-012-45	Sequence 45, Appl
37	1086.4	75.9	2226	10	US-09-825-012-53	Sequence 53, Appl
38	1086.4	75.9	2226	10	US-09-825-012-54	Sequence 54, Appl
39	1086	75.9	1605	10	US-09-822-830A-501	Sequence 501, Appl
40	1086	75.9	1615	10	US-09-822-849A-111	Sequence 111, Appl
41	1082.2	75.6	1616	10	US-09-822-830A-572	Sequence 572, Appl
42	1080.8	75.5	2190	10	US-09-825-012-50	Sequence 50, Appl
43	1080.8	75.5	2190	10	US-09-825-012-51	Sequence 51, Appl
44	1080.8	75.5	2220	10	US-09-825-012-59	Sequence 59, Appl
45	1080.8	75.5	2220	10	US-09-825-012-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1
US-10-124-905-11
; Sequence 11, Application US/10124905
; Patent No. US20020166136A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONOCLONAL ANTIBODIES SPECIFIC TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/124,905
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1431 base pairs

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; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1431
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..1431
US-10-124-905-11

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	Query Match	100.0%;	Score 1431;	DB 9;	Length 1431;	
	Best Local Similarity	100.0%;	Pred. No. 0;			
	Matches 1431;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;	
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Db	1	ATGAAACACCTGTGGTCTCTCCTCTCTGTGGCAGCTCCAGATGGTCTCTGTCCAG	60			
Qy	61	GTGCAGCTGCAGAGTCCGGCCAGGACTGTGAAGCTTCGGAGACCTGTCCCTACCC	120			
Db	61	GTGCAGCTGCAGAGTCCGGCCAGGACTGTGAAGCTTCGGAGACCTGTCCCTACCC	120			
Qy	121	TGCGCTGTCTCTGTGGTCCATCAGCGGTGGTATGSGCTGGGCTGGATCCGCCAGCCC	180			
Db	121	TGCGCTGTCTCTGTGGTCCATCAGCGGTGGTATGSGCTGGGCTGGATCCGCCAGCCC	180			
Qy	181	CCAGGGAAGGGCTGGAGTGGAGTTCTCTATAGTAGTAGTGGGACACCTACTAC	240			
Db	181	CCAGGGAAGGGCTGGAGTGGAGTTCTCTATAGTAGTAGTGGGACACCTACTAC	240			
Qy	241	AACCCCTCCCTCAAGAGTCAAGTCAACATTTCAACAGACAGTCCAAAGAACCTGTC	300			
Db	241	AACCCCTCCCTCAAGAGTCAAGTCAACATTTCAACAGACAGTCCAAAGAACCTGTC	300			
Qy	301	CTGAAGCTGAACCTCTATGACCGCCGGGACACGGCCGTGTTACTGTGTGAGAGATCGT	360			
Db	301	CTGAAGCTGAACCTCTATGACCGCCGGGACACGGCCGTGTTACTGTGTGAGAGATCGT	360			
Qy	361	CTTTTTCAGTTGTGGAAATGGTTTACAACTGGTTTCGATGTCGTGGGCCCGGAGTC	420			
Db	361	CTTTTTCAGTTGTGGAAATGGTTTACAACTGGTTTCGATGTCGTGGGCCCGGAGTC	420			
Qy	421	CTGCTCACCGTCTCCTCAGCTAGCACCAAGGGCCATCGGTCCTTCCCTGGCACCCCTCC	480			
Db	421	CTGCTCACCGTCTCCTCAGCTAGCACCAAGGGCCATCGGTCCTTCCCTGGCACCCCTCC	480			
Qy	481	TCCAAGAGCACTCTGGGGCACAGCGGCCCTGGGCTCGTGTCAGAGTACTTCTGCC	540			
Db	481	TCCAAGAGCACTCTGGGGCACAGCGGCCCTGGGCTCGTGTCAGAGTACTTCTGCC	540			
Qy	541	GAACCGGTGACGGTGTCTGTGGAATCTCAGGCGCCCTGACAGCGCGCTGCACACCTCCCG	600			
Db	541	GAACCGGTGACGGTGTCTGTGGAATCTCAGGCGCCCTGACAGCGCGCTGCACACCTCCCG	600			
Qy	601	GCTGTCTACAGTCTCAGGACTCTACTCCTCAGCAGCGTGAGCGTCCCTCCAGC	660			
Db	601	GCTGTCTCCTCAGTCTCAGGACTCTACTCCTCAGCAGCGTGAGCGTCCCTCCAGC	660			
Qy	661	AGCTTGGGCAACCCAGACTTACATCTGCAAGCTGGAATCAAGCCAGCAACCAAGGTG	720			
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Qy	721	GACAAAGAACAGAGCCCAAACTTTGTGACAAAACTCACATCCCAACCGTGCACGCA	780			
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Qy	781	CCTGAATCTCTGGGGGACCGTCACTCTCTCTTCCCTCCCAAAACCAAGGACACCTC	840			
Db	781	CCTGAATCTCTGGGGGACCGTCACTCTCTCTTCCCTCCCAAAACCAAGGACACCTC	840			
Qy	841	ATGATCTCTCCGGACCCCTGTAGGTCAACATGCGTGTGTGGACGTGAGCCAGGAACCT	900			

RESULT 2
US-09-948-429B-11
; Sequence 11, Application US/09948429B
; Patent No. US20020177689A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
; TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF.
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; Zip: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/948,429B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:

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Qy	841	ATGATCTCCCGGACCCCTGAGGTGCATCGCTGGTGGTGGAGCTGAGGCCAAGAACCCCT	900
Db	841	ATGATCTCCCGGACCCCTGAGGTGCATCGCTGGTGGTGGAGCTGAGGCCAAGAACCCCT	900
Qy	901	GAGTCAAGTTCAACTGGTACGTGGACGCGCTGGAGGTGCATAATGCCAAGCAAAAGCGG	960
Db	901	GAGTCAAGTTCAACTGGTACGTGGACGCGCTGGAGGTGCATAATGCCAAGCAAAAGCGG	960
Qy	961	CGGAGGAGCAGTACAAACAGCAGTACCTGCTGGTCAGCTCCTCACCGTCTGCACCCAG	1020
Db	961	CGGAGGAGCAGTACAAACAGCAGTACCTGCTGGTCAGCTCCTCACCGTCTGCACCCAG	1020
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Db	1021	GACTGGCTGAATGGCAAGGAGTACAAGTCCAGGTCTCCAAAGAGCCCTCCAGCCCCC	1080
Qy	1081	ATCAGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCCGAGAACCAAGGTGTACACCCCTG	1140
Db	1081	ATCAGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCCGAGAACCAAGGTGTACACCCCTG	1140
Qy	1141	CCCCATCCCGGATGAGCTGACCAAGAACCAAGGTGAGCTTGACTGCTGGTCAAAAGCC	1200
Db	1141	CCCCATCCCGGATGAGCTGACCAAGAACCAAGGTGAGCTTGACTGCTGGTCAAAAGCC	1200
Qy	1201	TTCTATCCAGCAGCATCGCCGTGGAGTGGGAGAGCAATGGGACGCGGAGAAACAACTAC	1260
Db	1201	TTCTATCCAGCAGCATCGCCGTGGAGTGGGAGAGCAATGGGACGCGGAGAAACAACTAC	1260
Qy	1261	AAGACACGCTCCCGTGTGGACTCCGAGGCTCCTTCTTCTTCAAGCAAGCTCACC	1320
Db	1261	AAGACACGCTCCCGTGTGGACTCCGAGGCTCCTTCTTCTTCAAGCAAGCTCACC	1320
Qy	1321	GTGGACAAGCAGGTGGCAGCAGGGGAAACGTCTTCTCATGTCTCGTGATCATGAGGCT	1380
Db	1321	GTGGACAAGCAGGTGGCAGCAGGGGAAACGTCTTCTCATGTCTCGTGATCATGAGGCT	1380
Qy	1381	CTGCACAAACCACTACACGAGCAAGAGCTCTCCCTGTCTCCGGGTAAATGA	1431
Db	1381	CTGCACAAACCACTACACGAGCAAGAGCTCTCCCTGTCTCCGGGTAAATGA	1431

US-10-073-138-6 ; Sequence 6, Application US/10073138
; Publication No. US20020187146A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSON, Darrell R.

NUMBER OF SOURCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P. O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404

ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS
SOFTWARE: PatentIn Release


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RESULT 6
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; Sequence 2, Application US/10073138
; Publication No. US20020187146A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSON, Darrell R.
; HANNA, Nabil
; BRAMS, Peter
; TITLE OF INVENTION: IDENTIFICATION OF UNIQUE BINDING
; INTERACTIONS BETWEEN CERTAIN ANTIBODIES AND THE HUMAN B7.1
; AND B7.2 CO-STIMULATORY ANTIGENS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/073,138
; FILING DATE: 13-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/746,361
; FILING DATE: 08-NOV-1996
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-256
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1431 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1431
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-073-138-2

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Best Local Similarity 94.9%; Pred. No. 0;
Matches 1358; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY  1  ATGAAACACCTGTGGTTCTTCTCCTCCTGTGTGGCAGCTCCAGATGGGTCTGTGCCAG 60
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DB   1  ATGAAACACCTGTGGTTCTTCTCCTCCTGTGTGGCAGCTCCAGATGGGTCTGTGCCAG 60

QY  61  GTGCAGCTGCAGGAGTCGGGCCCGAGGACTGGTGAAGCCTTCGGAGACCTGTCCCTAC 120
    |||||
DB   61  GTGAAGCTGCAGCAGTGGGGCGAAGGACTTCTGAGCCTTCGGAGACCTGTCCCGACC 120

QY  121  TGCCTCTCTCTGTGTGCTCCATCAGCGGTGGTTATGGCTGGGGCTGGATCCGCGAGGCC 180
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DB   121  TGCCTGTCTCTGTGTGCTCCATCAGCGGTACTACTACTGGACCTGGATCCGCGAGACC 180

QY  181  CCAGGAGAGGGCTGGAGTGGATTGGGAGTTTCTATAGTAGTAGTGGGAAACACCTACTAC 240
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Resc.	Identity	Score	%	Pos	Mismatches	136	Indels	11	Gaps
Matches	1250	Conservative	9						
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173	TCCTCGTGTCTCTTTTAAAGAGTGTCCAGTGTCCAGTGCAGTGCAGTGTGGAGCTCTGGGGAG	232							
86	GACTGGTGAAGCCTTCGGAGACCTCTGCTCCCTCACTCGCGCTCTCTCTGTGGTGCATCA	145							
233	CGGTGTCACGCTGGGAGTCCCTGAGACTCTCTGTGCAGCSTCTGGATTCCACCTTCA	292							
146	GGGTGGTTATGGCTGGGGCTGGATCCGCCAGCCCCCAGGAAGGGCTCGAGTGGATTG	205							
293	--GTAGCTATGGCATGCACTGGGTCCGCGAGGCTCCAGGCAAGGGCTGGAGTGGGTG	349							
206	GGAGTTTCTATAGTAGTAGTGGGAAACACCTACTCTACAACCCCTCCCTCAAGAGTCAAGTCA	265							
350	CAGTTATATSETATGTAGGAAGTATATAATCTATGTGAGACTCCGTGAAGGGCCGATTCA	409							
266	CAATTTCAACAGACACGTCCAGAACCAAGTTCTCCCTGAAGCTGAATCTATGACCGCG	325							
410	CCATCTCCAGAGACAATTCCAGAAACACGCTGTATCTCAAAATGAAACAGCCTCAGAGCTG	469							
326	CGGACAGCGCCGTGTATTACTGTGTGAGAGATCGTCTTTTTCAGTTGTGGAATGGTTT	385							
470	AGGACACGGCTGTTATCTATGTGCGRAGA---NGTTACTATGTTTCGGAAGCATCT	525							
386	ACACACAACCTGGTTTCGATGTCTGGGGCCCGGGAGTCCCTGGTCAACGTTCTCTCAGCTAGCA	445							
526	ACTACTACTTTTGAC---TCTGGGGCGAGGGAAACMCTGGTCAACGCTCTCTCAGCCCTCA	581							
446	CAAAGGGCCCATCGGTCTCCCTCCCTGGCACCTCTCTCCAAAGAGACCTCTGGGGGACAG	505							
582	CCAGGGGCCATCGGTCTTCCCTCGGCACCTCTCTCCAAAGAGACCTCTGGGGGACAG	641							
506	CGGCCCTGGGCTGCTGGTCAAGGACTACTTCCCAGAACCGGTGACGGTCTGTGGAATCT	565							
642	CGGCCCTGGGCTGCTGGTCAAGGACTACTTCCCAGAACCGGTGACGGTCTGTGGAATCT	701							


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/ / P R I O R   F I L I N G   D A T E : 1995-06-07
/ / N U M B E R   O F   S E Q   I D   N O S : 27
/ / S O F T W A R E : P a t e n t I n   V e r . 2.1
/ / S E Q   I D   N O   19
/ / L E N G T H : 1428
/ / T Y P E : D N A
/ / O R G A N I S M : H o m o   s a p i e n s
/ / F E A T U R E :
/ / N A M E / K E Y : C D S
/ / L O C A T I O N : (1) . . (1425)
/ / U S - 09-740-002-19

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Query Match      78.6%; Score 1125.2; DB 10; Length 1428;
Best Local Similarity 88.6%; Pred. No. 6.9e-298;
Matches 1256; Conservative 0; Mismatches 153; Indels 9; Gaps 3;
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QY	17	TCTTCTCTCTCTGTGGGAGCTCCGAGATGGGTCTGTGCCAGGTGACGTGCAAGGAGT	76
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QY	77	CGGGCCAGGACTGGTGAAGCCTTCGGAGACCTGTCCCTCACTTGCCTGTCTCTGGTG	136
DB	77	CTGGTCTTGGCTGGTAAACCACACAGACCTCACTGACCTGCACCTTCTCTGGGT	136
QY	137	GGTC---CATCAGCGGTGGTTATGGCTGGGGCTGGATCCGCCAGCGCCCCAGGGAAGGGGC	193
DB	137	TCTCACTCAGCACAGAGGAATGAGTGTGAACCTGGATCCGTGAGCCCCCAGGGAAGGCC	196
QY	194	TGGAGTGGATGGGAGTTTCTATAGTAGTAGTGGGAACACTTACACACCCTCTCCCTCA	253
DB	197	TGGAATGGCTAGCCCGCATTTGATGGGACGATG---ATACATTTCTACAGCGTCTCTCGA	253
QY	254	AGAGTCAAGTCACCATTTCAACAGACACGTCGAAGAACAGTTCTCCCTGAAGCTGAAC	313
DB	254	AGATAGGCTCAGCATCTCCNAGGACACTCCAAAAACAGGTGGTCTTCAGAAATGACCA	313
QY	314	CTATGACCGCCGGGACAGCGCGGTGTATTACTGTGTGAGAGATCGTCTTTTTCAGTTG	373
DB	314	ACGTAGACCTGTGGACAGCGCCACATATTTTGTGCAGGGCGCTCACTATAT---GACA	370
QY	374	TTGGAATGGTTTACAAACAATGGTTCGATGTCGTGGGCCCGGGAGTCTCGGTCAAGCT	433
DB	371	GTGATAGTTTCTACCTCTTCTACATGCTCTAGTGGGGCCAGGGAACCGTGGTCAAGCT	430
QY	434	CCTCAGCTAGCACCAAGGGCCATCGGTCTTCCCTCGCACCCCTCTCCAAAGACACCT	493
DB	431	CCTCAGCTAGCACCAAGGGCCATCGGTCTTCCCTCTGGCACCTCTCTCAAGAGACCT	490
QY	494	CTGGGGGCACAGGGGCCCTGGGTGCTGTGAAGACTACTTCCCGGAACCGGTGACGG	553
DB	491	CTGGGGGCACAGGGGCCCTGGGTGCTGTGAAGACTACTTCCCGGAACCGGTGACGG	550
QY	554	TGTCGTGGAATCAGCGGCCCTGACAGCGGGGTGCACACCTTCCCGGTGTCTTACAGT	613
DB	551	TGTCGTGGAATCAGCGGCCCTGACAGCGGGGTGCACACCTTCCCGGTGTCTTACAGT	610
QY	614	CCTCAGGACTTACTCCCTCAGCAGCGTGTGACCGTGGCCCTCCAGACGCTTGGGACCC	673
DB	611	CCTCAGGACTTACTCCCTCAGCAGCGTGTGACCGTGGCCCTCCAGACGCTTGGGACCC	670
QY	674	AGACCTACATCTGCAAGTGMATCAAGCCCGAGCAACCAAGGTGGACAGAAGAAGCAG	733
DB	671	AGACCTACATCTGCAAGTGMATCAAGCCCGAGCAACCAAGGTGGACAGAAGAAGCAG	730
QY	734	AGCCCAAAATCTGTGACAAATCTACACATGCCACCGTGGCCAGCACTGTAATCTCTGG	793
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QY	794	GGGGACCGTCAGTCTTCTCTTCCCCCCTAAAACCCAAAGGACACCTCTATGATCTCCCGA	853
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US-09-954-456-789

Matches 1249; Conservative 0; Mismatches 167; Indels 6; Gaps 2;

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US-09-954-456-1604


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Qy 610 CAGTCTCAGAGCTCTACTCTCCCTCAGCAGCGTGTGTGACGCTGCCCTCCAGCAGCTTGGGC 669
Db 822 CAGTCTCAGAGCTCTACTCTCCCTCAGCAGCGTGTGTGACGCTGCCCTCCAGCAGCTTGGGC 763
Qy 670 ACCCAGACCTACATCTCCAGCTGAATCACAAGCCCGACCAACCAAGGTGACAAAGAA 729
Db 762 ACCCAGACCTACATCTCGAAGCTGAATCACAAGCCCGACCAACCAAGGTGACAAAGAA 703
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Qy 910 TTCAACTGTGTACGTGACCGCGTGGAGTGCATAATGCCAAGACAAAGCCCGGAGGAG 969
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Qy 1330 AGCAGGTGCGACGAGGGGACGTCTTCTCATGTCTCGTGTATGATGAGGCTCTGCAAC 1389
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Db 42 CACTACACGCAAGAGCTCTCCCTGTCTCCGGGTAAATGA 1
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RESULT 15

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US-10-124-905-7
; Sequence 7, Application US/10124905
; Patent No. US20020166136A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
; TO HUMAN B7.1 AND/OR B7.2 PRIVATIZED FORMS THEREOF,
; AND USE THEREOF AS PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
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; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/124,905
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1437 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1437
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; US-10-124-905-7
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Query Match 77.7%; Score 1112.4; DB 9; Length 1437;
Best Local Similarity 87.9%; Pred. No. 2.2e-294;
Matches 1251; Conservative 0; Mismatches 161; Indels 12; Gaps 3;
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Db 137 TCACCTTCA---GTGACCACTACATGTTATGTTTCCGCCAGGCTCCAGGGAAGGGCCGG 193
Qy 197 AGTGGATTGG-----GAGTTTCTATAGTAGTGTGGGAACACCTACTACACCCCTCCC 250
Db 194 AATGGGTAGGTTTCATTAGAAAACAAACCGAAGGTGGGACAAACAGAAATACGGCGCTGTG 253
Qy 251 TCAAGAGTCAAGTCAACATTTCACAGACAGCTCCAAGAACAGATTCTCCCTGAAGCTGA 310
Db 254 TGAAGACAGATTCAACATCTCCAGAGATGATTCCAAAAGCATCGCCTATCTGCAATGA 313
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GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

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Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438583890 residues

Total number of hits satisfying chosen parameters: 1186858

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Post-processing: Minimum Match 0%
Maximum Match 100%
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Database : Published Applications NA:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	711	100.0	711	9	US-10-124-905-9
2	711	100.0	711	9	US-09-948-429B-9
3	711	100.0	711	9	US-10-073-138-5
4	552.6	77.7	768	10	US-09-747-669-4
5	552.6	77.7	768	10	US-09-747-669-5
6	540.2	76.0	705	9	US-10-124-905-1
7	540.2	76.0	705	9	US-09-948-429B-1
8	534.8	75.2	2112	9	US-10-073-138-1
10	532.2	74.9	915	10	US-09-954-456-788
11	532.2	74.9	915	10	US-09-880-107-3743
12	484.2	68.1	885	9	US-09-852-797-47
13	484.2	68.1	885	10	US-09-853-161-47
14	482.6	67.9	879	9	US-09-852-659A-47
15	482.6	67.9	879	9	US-09-852-797-29
16	482.6	67.9	879	10	US-09-853-161-29
17	482.6	67.9	879	10	US-09-852-659A-29
18	457.6	64.4	860	10	US-09-925-301-562
19	456	64.1	868	10	US-09-822-849A-157
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					Sequence 9, Appli
					Sequence 4, Appli
					Sequence 5, Appli
					Sequence 1, Appli
					Sequence 1, Appli
					Sequence 108, Appli
					Sequence 788, Appl
					Sequence 3743, Ap
					Sequence 47, Appli
					Sequence 47, Appli
					Sequence 29, Appli
					Sequence 29, Appli
					Sequence 582, Appl
					Sequence 157, Appl

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C 20 449.8 63.3 1480 9 US-09-981-353-146 Sequence 146, App
21 440.2 61.9 857 10 US-09-822-849A-158 Sequence 158, App
22 429.4 60.4 846 9 US-09-981-353-55 Sequence 55, Appl
23 422.8 59.5 938 9 US-09-828-995B-25 Sequence 25, Appl
24 422.8 59.5 938 9 US-09-828-995B-27 Sequence 27, Appl
25 422.4 59.4 830 9 US-09-981-353-42 Sequence 42, Appl
26 412 57.9 928 10 US-09-852-797-46 Sequence 46, Appl
27 412 57.9 928 10 US-09-853-161-46 Sequence 46, Appl
28 412 57.9 928 10 US-09-852-659A-46 Sequence 46, Appl
29 408 57.4 826 9 US-10-098-841-316 Sequence 316, App
30 405.8 57.1 543 9 US-09-736-457-970 Sequence 970, App
31 405.8 57.1 543 9 US-09-902-941-970 Sequence 970, App
32 405.8 57.1 543 9 US-09-849-626-970 Sequence 970, App
33 405.8 57.1 543 9 US-10-017-754-833 Sequence 970, App
34 397.8 55.9 648 10 US-09-736-371B-18 Sequence 18, Appl
35 396.6 55.8 5079 10 US-09-809-517A-41 Sequence 41, Appl
36 394.2 55.4 1480 9 US-09-981-353-146 Sequence 146, App
37 372.2 52.3 4145 9 US-10-001-934-36 Sequence 36, Appl
38 372.2 52.3 5020 9 US-10-001-934-35 Sequence 35, Appl
39 367.6 51.7 869 9 US-09-909-567B-13 Sequence 13, Appl
40 363.4 51.1 491 9 US-09-736-457-833 Sequence 833, App
41 363.4 51.1 491 9 US-09-902-941-833 Sequence 833, App
42 363.4 51.1 491 9 US-09-849-626-833 Sequence 833, App
43 363.4 51.1 491 9 US-10-017-754-833 Sequence 833, App
44 359 50.5 764 9 US-09-981-353-46 Sequence 46, Appl
45 346.2 48.7 467 9 US-09-796-692-3064 Sequence 3064, Ap

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ALIGNMENTS

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RESULT 1
US-10-124-905-9
; Sequence 9, Application US/10124905
; Patent No. US20020166136A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
; TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10124,905
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 711 base pairs

```


TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: CDS
LOCATION: 1..711
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..711
US-10-124-905-9

Query Match 100.0%; Score 711; DB 9; Length 711;
Best Local Similarity 100.0%; Pred. No. 6.3e-213;
Matches 711; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAGGGTCCCGCTCAGCTCTGGGGCTCTGCTGCTGGCTCCCGAGGTGCAGATGT 60
DB 1 ATGAGGGTCCCGCTCAGCTCTGGGGCTCTGCTGCTGGCTCCCGAGGTGCAGATGT 60
QY 61 GAGTCTGTCTGACACAGCGCCCTCAGTGTCTGGGGCCCGAGGCGAAGGTCAACATC 120
DB 61 GAGTCTGTCTGACACAGCGCCCTCAGTGTCTGGGGCCCGAGGCGAAGGTCAACATC 120
QY 121 TCGTGCACTGGGAGCACCTCCAACTTGGAGGTTATGATCTACATTTGGTACCAGAGCTC 180
DB 121 TCGTGCACTGGGAGCACCTCCAACTTGGAGGTTATGATCTACATTTGGTACCAGAGCTC 180
QY 181 CCAGGAACGGCCCCAACTCTCTATGACATTAACAGGACCCCTCAGGAATTTCT 240
DB 181 CCAGGAACGGCCCCAACTCTCTATGACATTAACAGGACCCCTCAGGAATTTCT 240
QY 241 GACCGATTCTCTGGCTCCAACTCTGAGTCTGGGCTCCCTGGGCTCACTGGGCTCCAG 300
DB 241 GACCGATTCTCTGGCTCCAACTCTGAGTCTGGGCTCCCTGGGCTCACTGGGCTCCAG 300
QY 301 ACTGAGGATGAGGCTGATTATTAATCTGCAGTCTTATGACAGCAGCTGAATGCTCAGGTA 360
DB 301 ACTGAGGATGAGGCTGATTATTAATCTGCAGTCTTATGACAGCAGCTGAATGCTCAGGTA 360
QY 361 TTCGGAGGAGGACCGGCTGACCGTCTAGGTGACCCCAAGGCTGCCCTCGGTCAC 420
DB 361 TTCGGAGGAGGACCGGCTGACCGTCTAGGTGACCCCAAGGCTGCCCTCGGTCAC 420
QY 421 CTGTTCCCGCTCTCTGAGGAGCTTCAAGCCAAAGGCGCACACTGGTGTCTCAT 480
DB 421 CTGTTCCCGCTCTCTGAGGAGCTTCAAGCCAAAGGCGCACACTGGTGTCTCAT 480
QY 481 AGTGACTTCTACCGGGAGCGGTGACAGTGGCTGGAAGGAGATAGCAGCCCCGTCAG 540
DB 481 AGTGACTTCTACCGGGAGCGGTGACAGTGGCTGGAAGGAGATAGCAGCCCCGTCAG 540
QY 541 GCGGGAGTGAGACACACACCTCCAAAGAGCAACAAAGTACGCGGCCAGCAGC 600
DB 541 GCGGGAGTGAGACACACACCTCCAAAGAGCAACAAAGTACGCGGCCAGCAGC 600
QY 601 TACCTGAGCTGAGCGCTGAGCAGTGAAGTCCACAGAAGTACAGTGCAGGTTCAG 660
DB 601 TACCTGAGCTGAGCGCTGAGCAGTGAAGTCCACAGAAGTACAGTGCAGGTTCAG 660
QY 661 CATGAAGGGAGCACCGTGGAGAGACAGTGGCCCCCTCAGAAATGTTATGA 711
DB 661 CATGAAGGGAGCACCGTGGAGAGACAGTGGCCCCCTCAGAAATGTTATGA 711

RESULT 2
US-09-948-429B-9
Sequence 9, Application US/09948429B
Patent No. US20020177689A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,"

TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
IMMUNOSUPPRESSANTS"
TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/948,429B
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/383,916
FILING DATE:
APPLICATION NUMBER: US 08/487,550
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 711 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: CDS
LOCATION: 1..711
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..711
US-09-948-429B-9

Query Match 100.0%; Score 711; DB 9; Length 711;
Best Local Similarity 100.0%; Pred. No. 6.3e-213;
Matches 711; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGAGGGTCCCGCTCAGCTCTGGGGCTCTGCTGCTCTGCTCCCAGGTGCAGATGT 60
DB 1 ATGAGGGTCCCGCTCAGCTCTGGGGCTCTGCTGCTCTGCTCCCAGGTGCAGATGT 60
QY 61 GAGTCTGTCTGACACAGCGCCCTCAGTGTCTGGGGCCCGAGGCGAAGGTCAACATC 120
DB 61 GAGTCTGTCTGACACAGCGCCCTCAGTGTCTGGGGCCCGAGGCGAAGGTCAACATC 120
QY 121 TCGTGCACTGGGAGCACCTCCAACTTGGAGGTTATGATCTACATTTGGTACCAGAGCTC 180
DB 121 TCGTGCACTGGGAGCACCTCCAACTTGGAGGTTATGATCTACATTTGGTACCAGAGCTC 180
QY 181 CCAGGAACGGCCCCAACTCTCTATGACATTAACAGGACCCCTCAGGAATTTCT 240
DB 181 CCAGGAACGGCCCCAACTCTCTATGACATTAACAGGACCCCTCAGGAATTTCT 240
QY 241 GACCGATTCTCTGGCTCCAACTCTGAGTCTGGGCTCCCTGGCCATCACTGGGCTCCAG 300
DB 241 GACCGATTCTCTGGCTCCAACTCTGAGTCTGGGCTCCCTGGCCATCACTGGGCTCCAG 300
QY 301 ACTGAGGATGAGGCTGATTATTAATCTGCAGTCTTATGACAGCAGCTGAATGCTCAGGTA 360
DB 301 ACTGAGGATGAGGCTGATTATTAATCTGCAGTCTTATGACAGCAGCTGAATGCTCAGGTA 360

;; PRIOR APPLICATION NUMBER: US 09/111,286
;; PRIOR FILING DATE: 1998-07-07
;; NUMBER OF SEQ ID NOS: 7
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 4
;; LENGTH: 768
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic construct
US-09-747-669-4

Query Match 77.7%; Score 552.6; DB 10; Length 768;
Best Local Similarity 89.6%; Pred. No. 2.5e-163;
Matches 594; Conservative 0; Mismatches 69; Indels 0; Gaps 0;
QY 47 CAGGTGACGATGTGAGTCTGCTGACACAGCGCCCTCAGTGTCTGGGGCCCGAGGC 106
DB 62 CAGGTGCTGGGCCAGTCTGTGCTGACTCAGCCACCTCAGCGTCTGGACCCCGGGC 121
QY 107 AGAAGGTCAACATCTCGTGTGCTGCTGACCTCAACATTTGGAGGTTATGATCTACAT 166
DB 122 AGAGGGTCAACATCTCTGTTCTGGAGCACTCCAACTCGGAAGTAAAGTCTAACT 181
QY 167 GGTACACAGCTCCAGGAGCGGCCCAAACTCTCTATCTATGACATTAACAGCGAC 226
DB 182 GGTACACAGCACTCCAGGAGCGGCCCAAAATTTCTATCTATGATTAATCAGCGGC 241
QY 227 CTTGAGGAATTTCTGACCGATTTCTGCTGCTCAAGTCTGCTGACCTCCCTGGCCA 286
DB 242 CTTGAGGGTCCCTGACCGATTTCTGCTGCTCAAGTCTGACCTCCCTGGCCA 301
QY 287 TCAGTGGCTCCAGTCTGAGGATGAGGCTGATTTACTGCGAGTCTCTATGACAGCGC 346
DB 302 TCAGTGGCTCCAGTCTGAGGATGAGGCTGATTTACTGCGAGTCTCTATGACAGCGC 361
QY 347 TGAATGCTCAGGATTTGGAGGAGGAGCCCGGCTGACCGTCTCTAGGTCAGCCCAAGCTG 406
DB 362 TGAATGCTGAGGATTTGGAGGAGGAGCCCAAGCTGACCGTCTCTAGGTCAGCCCAAGCTG 421
QY 407 CCGCTCGGTCACTCTGTTCCCGGCTCTGAGGAGGCTTCAAGCCAAAGAGCCACAC 466
DB 422 CCGCTCGGTCACTCTGTTCCCGGCTCTGAGGAGGCTTCAAGCCAAAGAGCCACAC 481
QY 467 TGGTGTCTCATAGTGAATTTACCGGAGCGCTGACAGTGGCTTGAAGGAGGAGT 526
DB 482 TGGTGTCTCATAGTGAATTTACCGGAGCGCTGACAGTGGCTTGAAGGAGGAGT 541
QY 527 GCAGCCCGCTCAAGCGGAGTGGAGACCAACACCTCTCAAAACAAAGCAACAAAGT 586
DB 542 GCAGCCCGCTCAAGCGGAGTGGAGACCAACACCTCTCAAAACAAAGCAACAAAGT 601
QY 587 ACGGGCCAGAGCTACCTGAGCTGAGCGCTGAGCGTGAAGTCCAGAGGAGTACA 646
DB 602 ACGGGCCAGAGCTACCTGAGCTGAGCGCTGAGCGTGAAGTCCAGAGGAGTACA 661
QY 647 GCTGCGAGTCAAGGAGGAGGAGCGCTGGAGAGGAGTGGCGCCCTACAGAGTGT 706
DB 662 GCTGCGAGTCAAGGAGGAGGAGCGCTGGAGAGGAGTGGCGCCCTACAGAGTGT 721
QY 707 CAT 709
DB 722 CAT 724

RESULT 5
US-09-747-669-5/c
; Sequence 5, Application US/09747669
; Patent No. US20020122807A1
; GENERAL INFORMATION:
; APPLICANT: Dan, Michael D.
; APPLICANT: Saleh, Mansoor
; TITLE OF INVENTION: ANTIGEN BINDING FRAGMENTS, DESIGNATED

;; TITLE OF INVENTION: 4B5 THAT SPECIFICALLY DETECT CANCER CELLS, NUCLEOTIDES
;; TITLE OF INVENTION: ENCODING THE FRAGMENTS, AND USE THEREOF FOR THE PROPHYLAXIS
;; FILE REFERENCE: 316082001001
;; CURRENT APPLICATION NUMBER: US/09/747,669
;; PRIOR FILING DATE: 2002-04-08
;; PRIOR APPLICATION NUMBER: US 09/111,286
;; NUMBER OF SEQ ID NOS: 7
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 5
;; LENGTH: 768
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic construct
US-09-747-669-5

Query Match 77.7%; Score 552.6; DB 10; Length 768;
Best Local Similarity 89.6%; Pred. No. 2.5e-163;
Matches 594; Conservative 0; Mismatches 69; Indels 0; Gaps 0;
QY 47 CAGGTGACGATGTGAGTCTGCTGACACAGCGCCCTCAGTGTCTGGGGCCCGAGGC 106
DB 707 CAGGTGCTGGGCCAGTCTGTGCTGACTCAGCCACCTCAGCGTCTGGACCCCGGGC 648
QY 107 AGAAGGTCAACATCTCGTGTGCTGCTGAGGAGCACTCCAACTTTGGAGGTTATGATCTACAT 166
DB 647 AGAGGGTCAACATCTCTGTTCTGGAGCACTCCAACTCGGAAGTAAAGTCTGTAAT 588
QY 167 GGTACACAGCTCCAGGAGCGGCCCAAACTCTCTATCTATGACATTAACAGCGAC 226
DB 587 GGTACACAGCACTCCAGGAGCGGCCCAAAATTTCTATCTATGATTAATCAGCGGC 528
QY 227 CTTGAGGAATTTCTGACCGATTTCTGCTGCTCAAGTCTGCTGACCGCGCTCTCTGGCCA 286
DB 527 CTTGAGGGTCTCTGACCGATTTCTGCTGCTCAAGTCTGCGACCTCAGCGCTCTCTGGCCA 468
QY 287 TCAGTGGCTCCAGTCTGAGGATGAGGCTGATTTACTGCGAGTCTCTATGACAGCGC 346
DB 467 TCAGTGGCTCCAGTCTGAGGATGAGGCTGATTTACTGTCAGCATGGGATGACAGCC 408
QY 347 TGAATGCTCAGGATTTGGAGGAGGAGCCCGGCTGACCGTCTCTAGTCTAGCCCAAGGCTG 406
DB 407 TGAATGCTTGGGATTTGGAGGAGGAGCCCAAGTCTGCTGCTGAGTCTGAGTCTGAGGCTG 348
QY 407 CCGCTCGGTCACTCTGTTCCCGGCTCTCTGAGGAGTCTCAAGCCAAAGAGGAGGAGT 466
DB 347 CCGCTCGGTCACTCTGTTCCCGGCTCTCTGAGGAGTCTCAAGCCAAAGAGGAGGAGT 288
QY 467 TGGTGTCTCATAGTGAATTTACCGGAGCGCTGACAGTGGCTTGAAGGAGGAGT 526
DB 287 TGGTGTCTCATAGTGAATTTACCGGAGCGCTGACAGTGGCTTGAAGGAGGAGT 228
QY 527 GCAGCCCGCTCAAGCGGAGTGGAGACCAACACCTCTCAAAACAAAGCAACAAAGT 586
DB 227 GCAGCCCGCTCAAGCGGAGTGGAGACCAACACCTCTCAAAACAAAGCAACAAAGT 168
QY 587 ACGGGCCAGAGCTACCTGAGCTGAGCGCTGAGCGTGAAGTCCAGAGGAGTACA 646
DB 167 ACGGGCCAGAGCTACCTGAGCTGAGCGCTGAGCGTGAAGTCCAGAGGAGTACA 108
QY 647 GCTGCGAGTCAAGGAGGAGGAGCGCTGGAGAGGAGTGGCGCCCTACAGAGTGT 706
DB 107 GCTGCGAGTCAAGGAGGAGGAGCGCTGGAGAGGAGTGGCGCCCTACAGAGTGT 48
QY 707 CAT 709
DB 47 CAT 45

RESULT 6
US-10-124-905-1